 on your wavelength



FAB-FOAM[®]

Vibration Isolation Technical Details



FAB-FOAM in:
Railway Station Sternschanze Ham-
burg, Wisselord Studios Hilversum,
Machine Foundations

Standard forms of delivery, ex warehouse

Rolls

Thickness: 12 and 25 mm, special thicknesses on request
 Length: 5,000 mm, special lengths available
 Width: 1,500 mm

Stripping/Plates

On request
 Die-cutting, water-jet cutting, self-adhesive versions possible

Continuous static load

0.011 N/mm²

Continuous and variable loads/operating load range

0 to 0.016 N/mm²

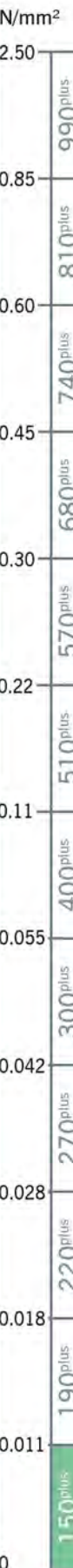
Peak loads (rare, short-term loads)

0.5 N/mm²

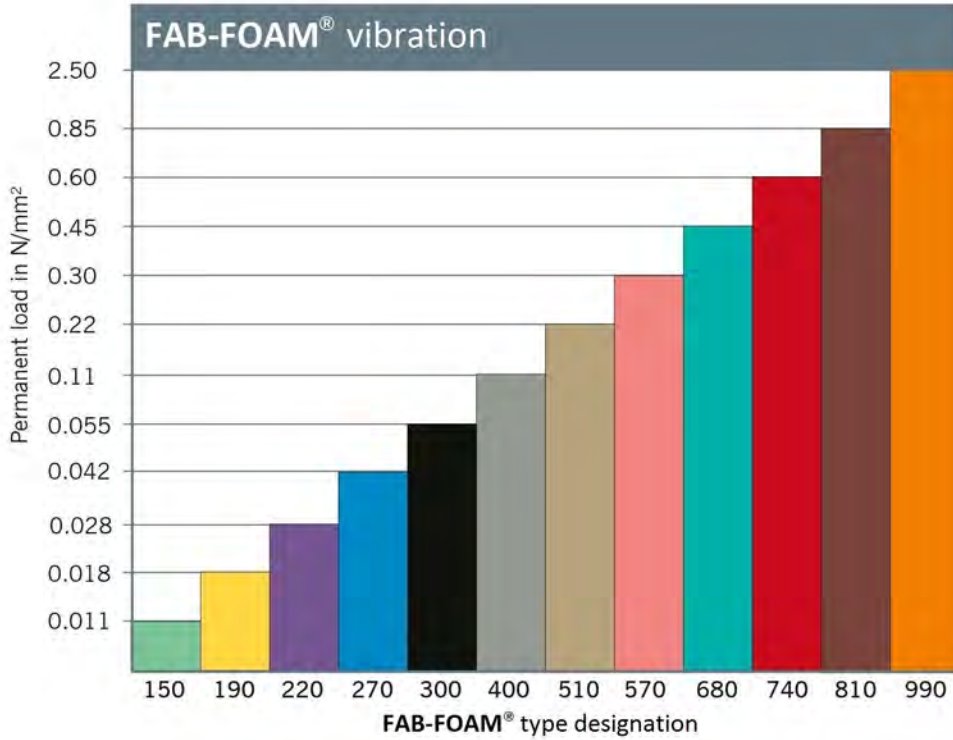


Colour: Green

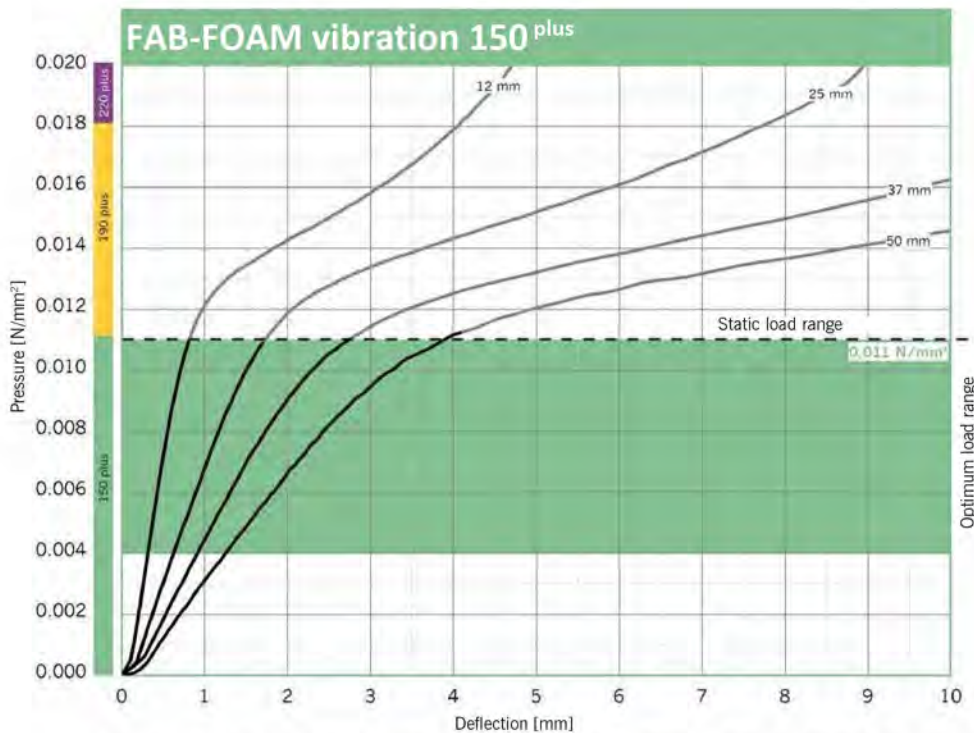
Static modulus of elasticity	Based on EN 826	0.06 - 0.16	N/mm ²	Tangential modulus, see figure "Modulus of elasticity"
Dynamic modulus of elasticity	Based on DIN 53513	0.15 - 0.38	N/mm ²	Depending on frequency, load and thickness, see figure "dynamic stiffness"
Mechanical loss factor	DIN 53513	0.28	[-]	Load-, amplitude- and frequency-dependent
Compression set	Based on DIN EN ISO 1856	1.6	%	Measured 30 minutes after decompression with 50% deformation / 23 °C after 72 hrs
Tensile strength	Based on DIN EN ISO 1798	0.31	N/mm ²	
Elongation at break	Based on DIN EN ISO 1798	220	%	
Tear resistance	Based on DIN ISO 34-1	1.2	N/mm	
Fire behaviour	DIN 4102 DIN EN 13501	B2 E	[-] [-]	Normal flammability
Sliding friction	BSW-laboratory BSW-laboratory	0.7 0.8	[-] [-]	Steel (dry) Concrete (dry)
Compression hardness	Based on DIN EN ISO 3386-2	14	kPa	Compressive stress at 25 % deformation test specimen h = 25 mm
Rebound elasticity	Based on DIN EN ISO 8307	34	%	dependent on thickness, test specimen h = 25 mm
Force reduction	DIN EN 14904	49	%	dependent on thickness, test specimen h = 25 mm



Load Ranges



Load Deflection



Examination of deflection in accordance to DIN EN 826 between two stiff panels. Illustration based on the third loading. Velocity of loading and unloading 20 seconds. Tested at room temperature. Dimensions of test specimens 300 mm x 300 mm.

Vibration Isolation

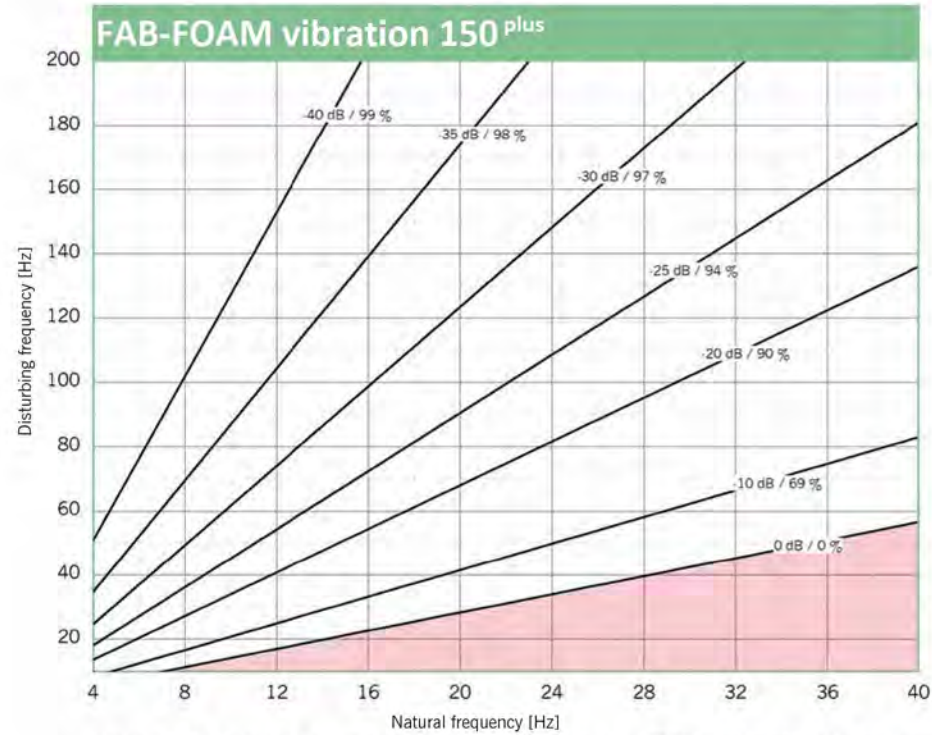
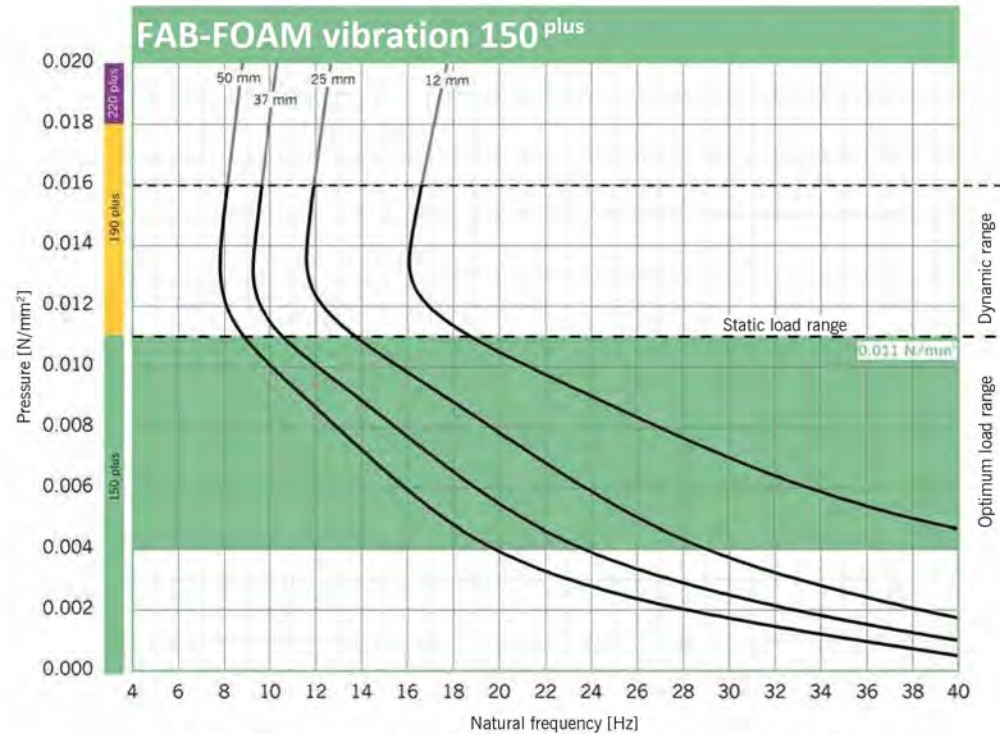


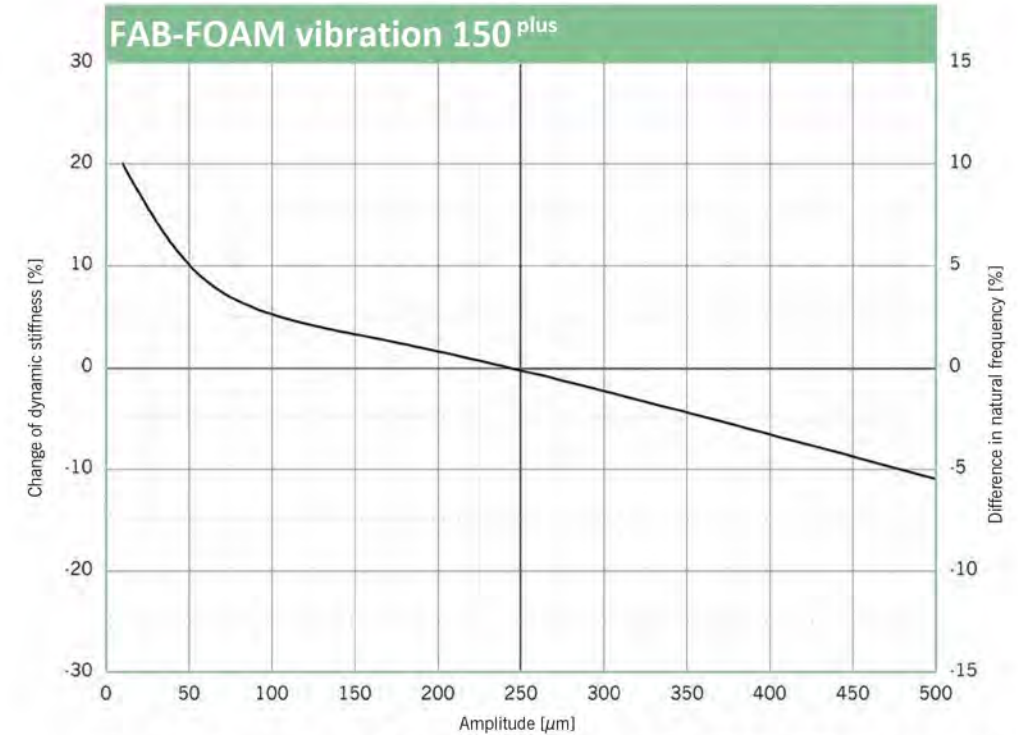
Illustration of the isolation efficiency of a single-degree-of-freedom system (SDOF system) on a rigid base with FAB-FOAM vibration 150 plus. Parameter: power transmission (insertion loss) in dB, isolation factor in %.

Natural Frequency

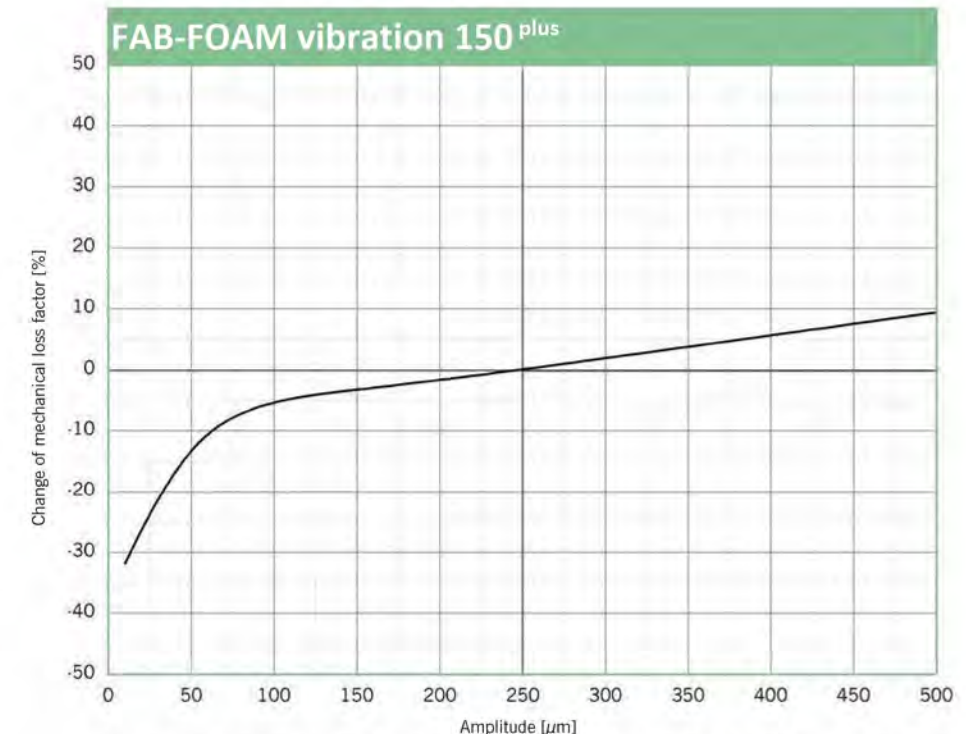


Natural frequency of a single-degree-of-freedom system (SDOF system) considering the dynamic stiffness of FAB-FOAM vibration 150 plus on a rigid base. Dimensions of test specimens 300 mm x 300 mm.

Influence of Amplitude



Change of the dynamic stiffness due to changes in amplitudes. Average for 5 Hz, 10 Hz and 40 Hz excitation. Sinusoidal excitation at a constant mean load of 0.011 N/mm², dimensions of the specimens 300 mm x 300 mm x 25 mm. Natural frequency of a single-degree-of-freedom system (SDOF system) on a rigid base.



Change of the mechanical loss factor due to changes in amplitudes. Sinusoidal excitation at a constant mean load of 0.011 N/mm², dimensions of the specimens 300 mm x 300 mm x 25 mm.



Modulus of Elasticity

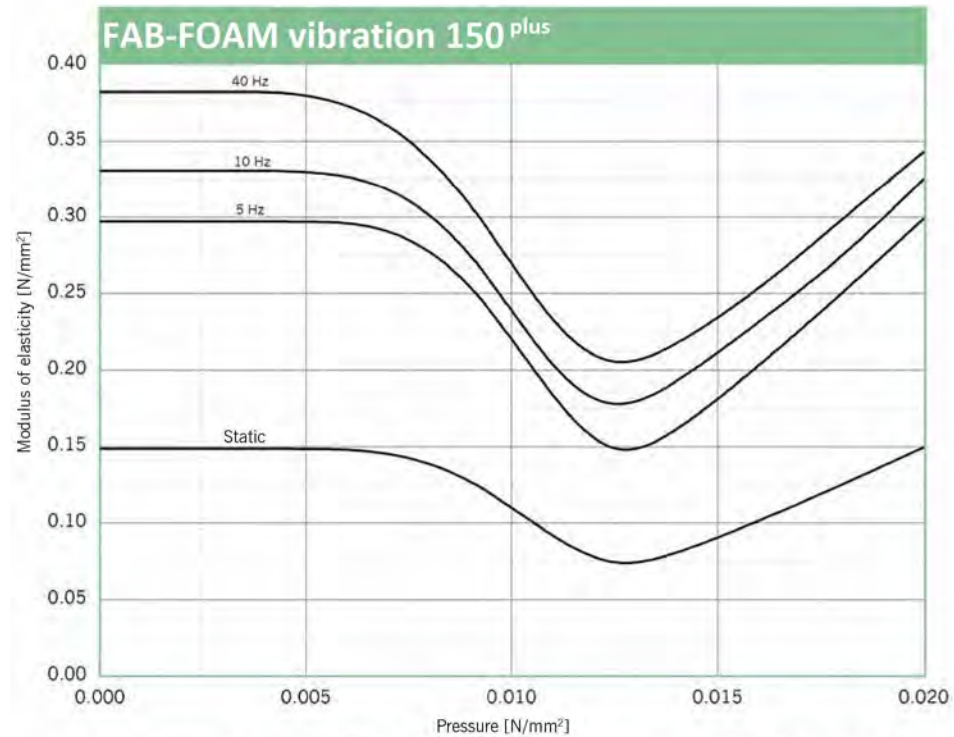


Illustration of the dynamic modulus of elasticity for sinusoidal excitation at a constant mean load and an amplitude of ± 0.25 mm. Dimensions of specimens 300 mm x 300 mm x 25 mm; static modulus of elasticity as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

Dynamic Stiffness

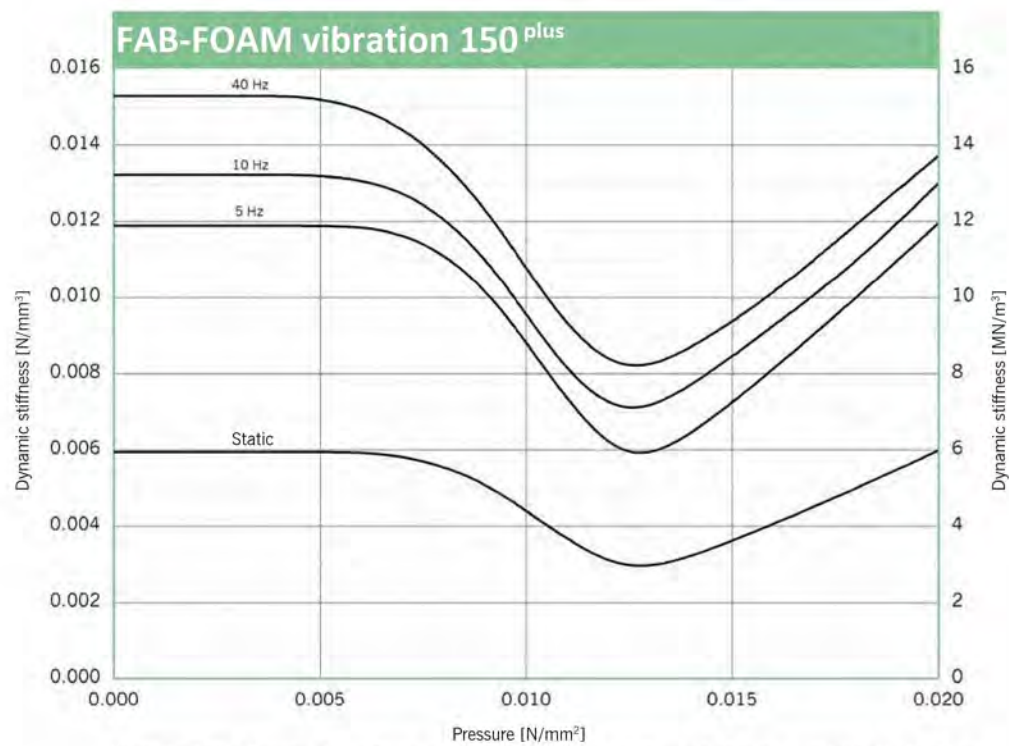
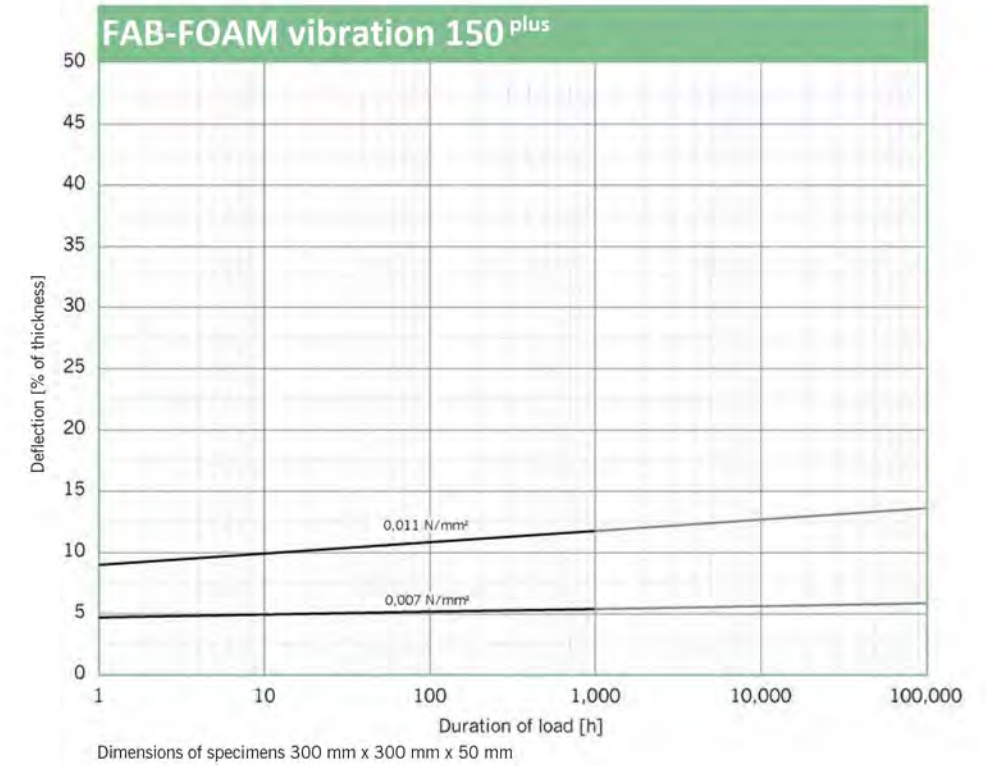


Illustration of the dynamic stiffness for sinusoidal excitation at a constant mean load and an amplitude of ± 0.25 mm. Dimensions of specimens 300 mm x 300 mm x 25 mm; static stiffness as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

Long-Term Creep Test



Dimensions of specimens 300 mm x 300 mm x 50 mm

Standard forms of delivery, ex warehouse

Rolls

Thickness: 12 and 25 mm, special thicknesses on request
 Length: 5,000 mm, special lengths available
 Width: 1,500 mm

Stripping/Plates

On request
 Die-cutting, water-jet cutting, self-adhesive versions possible

Continuous static load

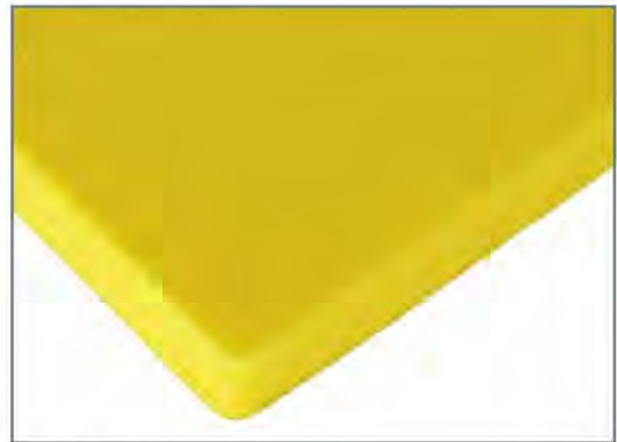
0.018 N/mm²

Continuous and variable loads/operating load range

0 to 0.028 N/mm²

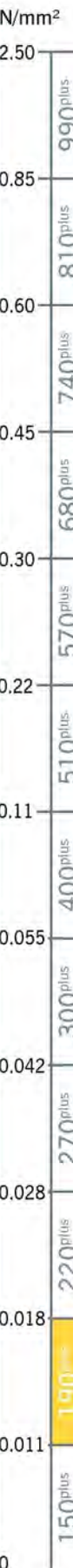
Peak loads (rare, short-term loads)

0.8 N/mm²

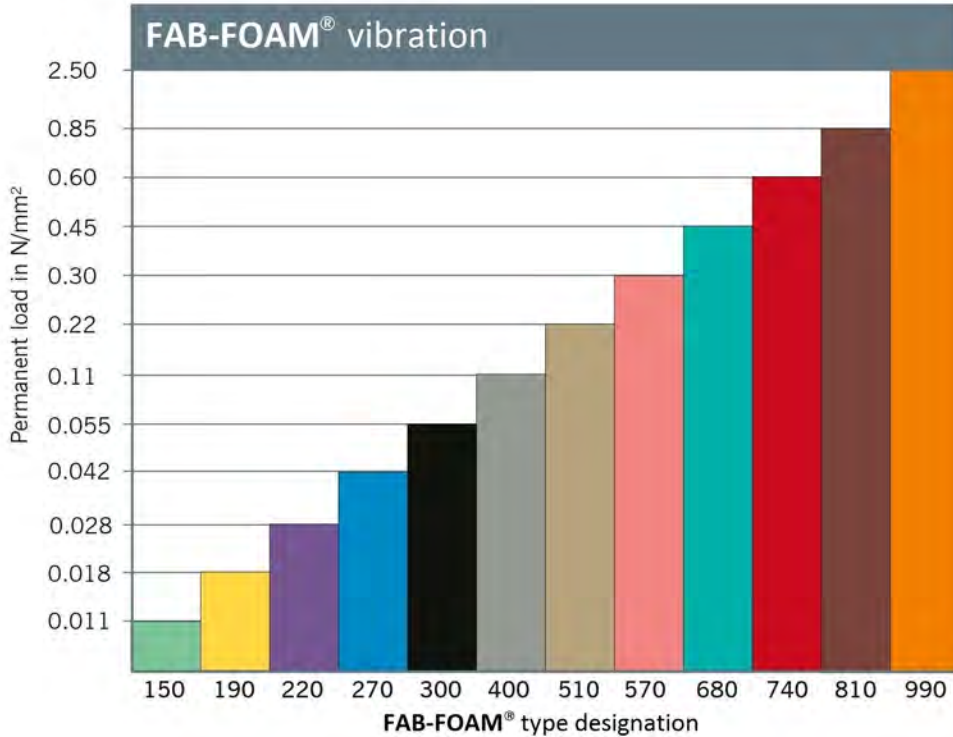


Colour: Yellow

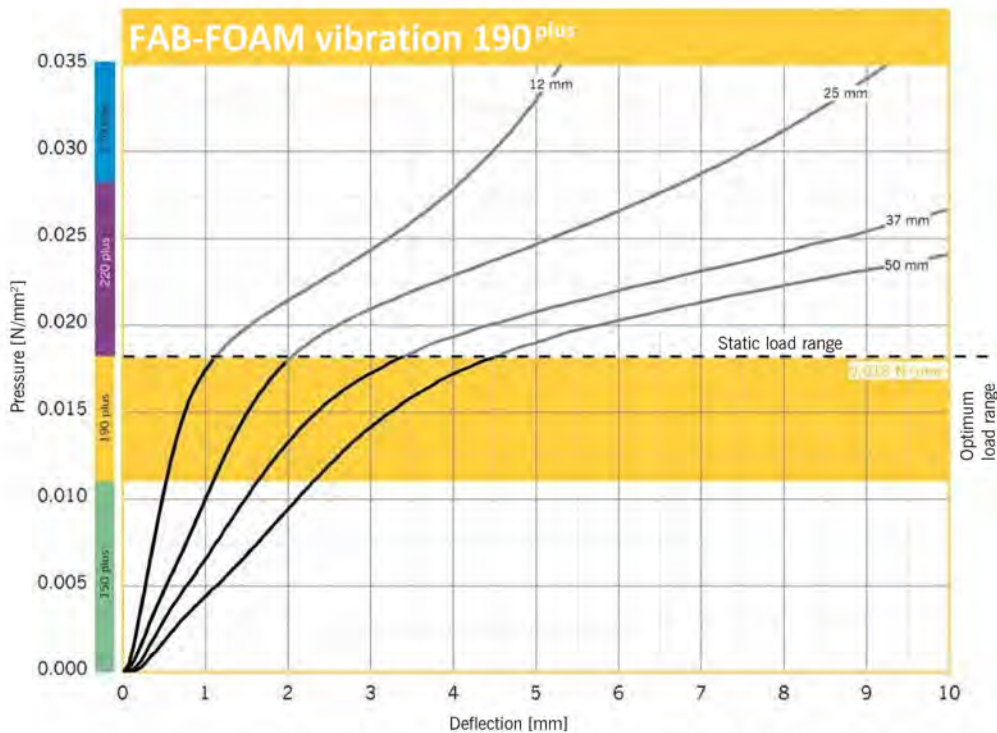
Static modulus of elasticity	Based on EN 826	0.1 - 0.25	N/mm ²	Tangential modulus, see figure "Modulus of elasticity"
Dynamic modulus of elasticity	Based on DIN 53513	0.25 - 0.55	N/mm ²	Depending on frequency, load and thickness, see figure "dynamic stiffness"
Mechanical loss factor	DIN 53513	0.25	[-]	Load-, amplitude- and frequency-dependent
Compression set	Based on DIN EN ISO 1856	2.0	%	Measured 30 minutes after decompression with 50% deformation / 23 °C after 72 hrs
Tensile strength	Based on DIN EN ISO 1798	0.4	N/mm ²	
Elongation at break	Based on DIN EN ISO 1798	220	%	
Tear resistance	Based on DIN ISO 34-1	2.0	N/mm	
Fire behaviour	DIN 4102 DIN EN 13501	B2 E	[-] [-]	Normal flammability
Sliding friction	BSW-laboratory BSW-laboratory	0.7 0.8	[-] [-]	Steel (dry) Concrete (dry)
Compression hardness	Based on DIN EN ISO 3386-2	22	kPa	Compressive stress at 25 % deformation test specimen h = 25 mm
Rebound elasticity	Based on DIN EN ISO 8307	35	%	dependent on thickness, test specimen h = 25 mm
Force reduction	DIN EN 14904	61	%	dependent on thickness, test specimen h = 25 mm



Load Ranges



Load Deflection



Examination of deflection in accordance to DIN EN 826 between two stiff panels. Illustration based on the third loading. Velocity of loading and unloading 20 seconds. Tested at room temperature. Dimensions of test specimens 300 mm x 300 mm.

N/mm²
2.50
990^{plus}
810^{plus}
740^{plus}
680^{plus}
570^{plus}
510^{plus}
400^{plus}
300^{plus}
270^{plus}
220^{plus}
190^{plus}
150^{plus}
0

Vibration Isolation

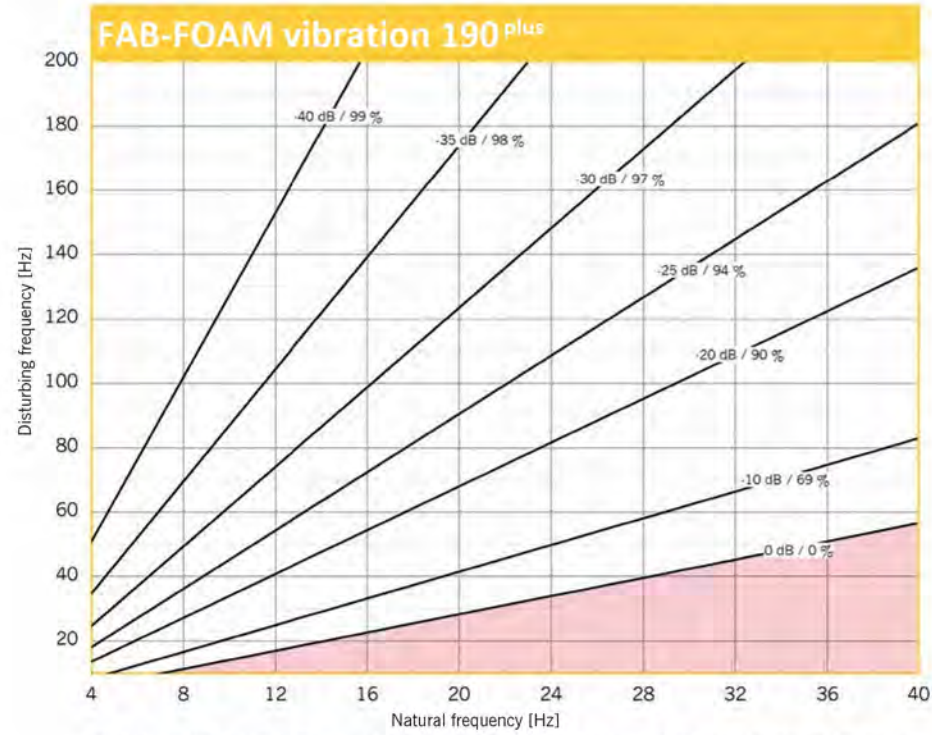
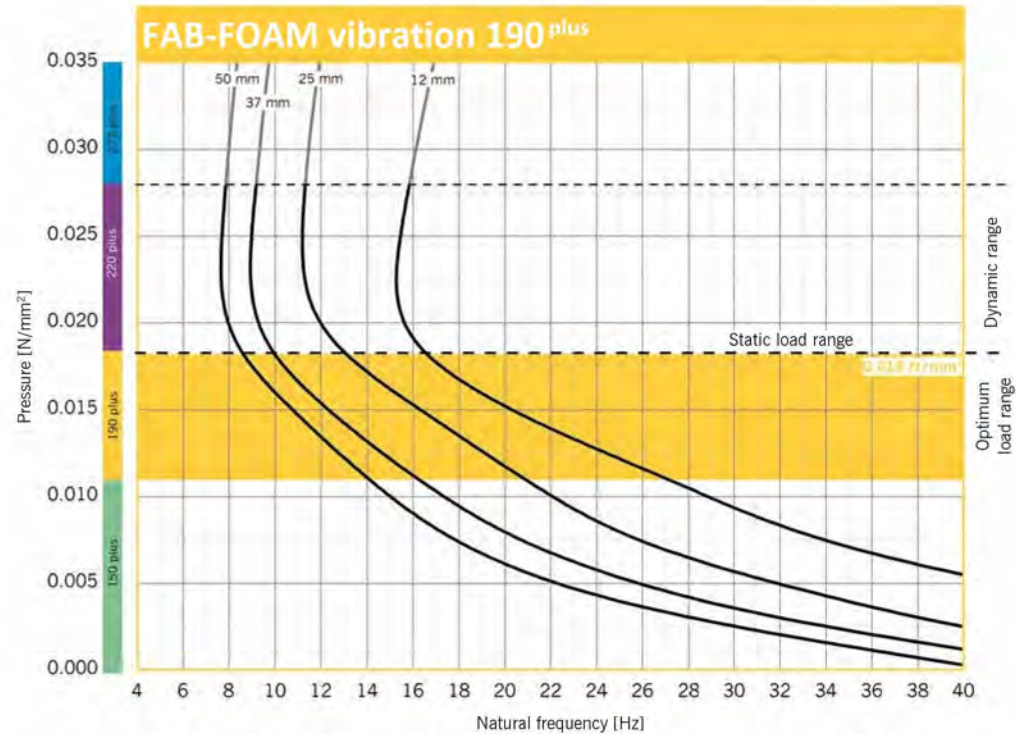


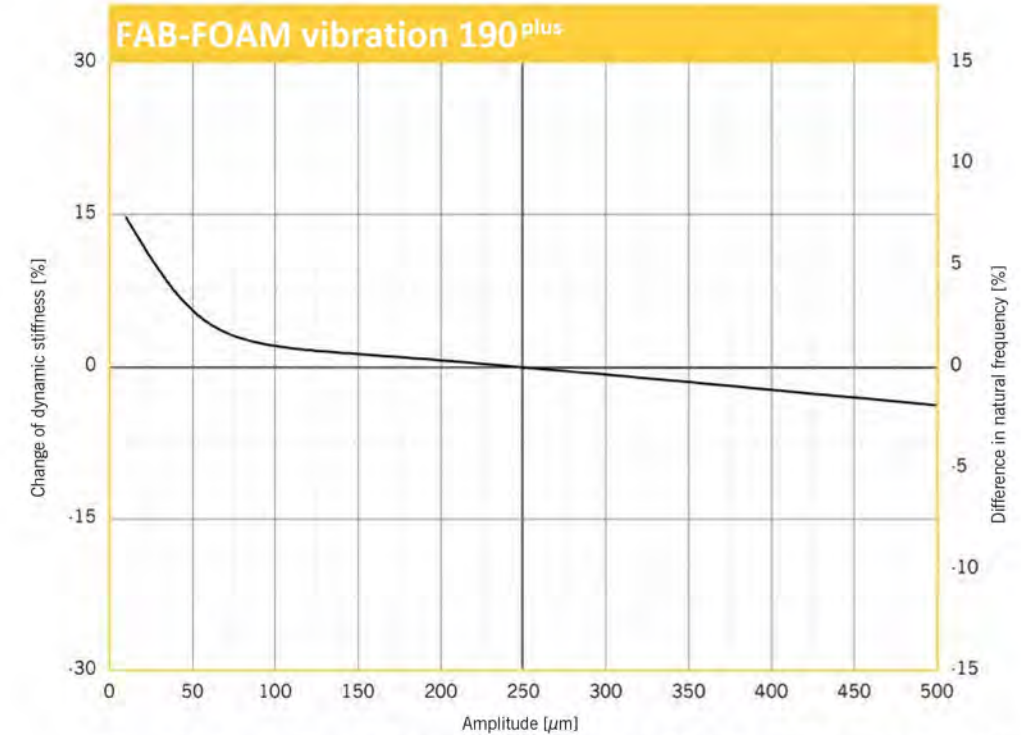
Illustration of the isolation efficiency of a single-degree-of-freedom system (SDOF system) on a rigid base with FAB-FOAM vibration 190 plus. Parameter: power transmission (insertion loss) in dB, isolation factor in %.

Natural Frequency

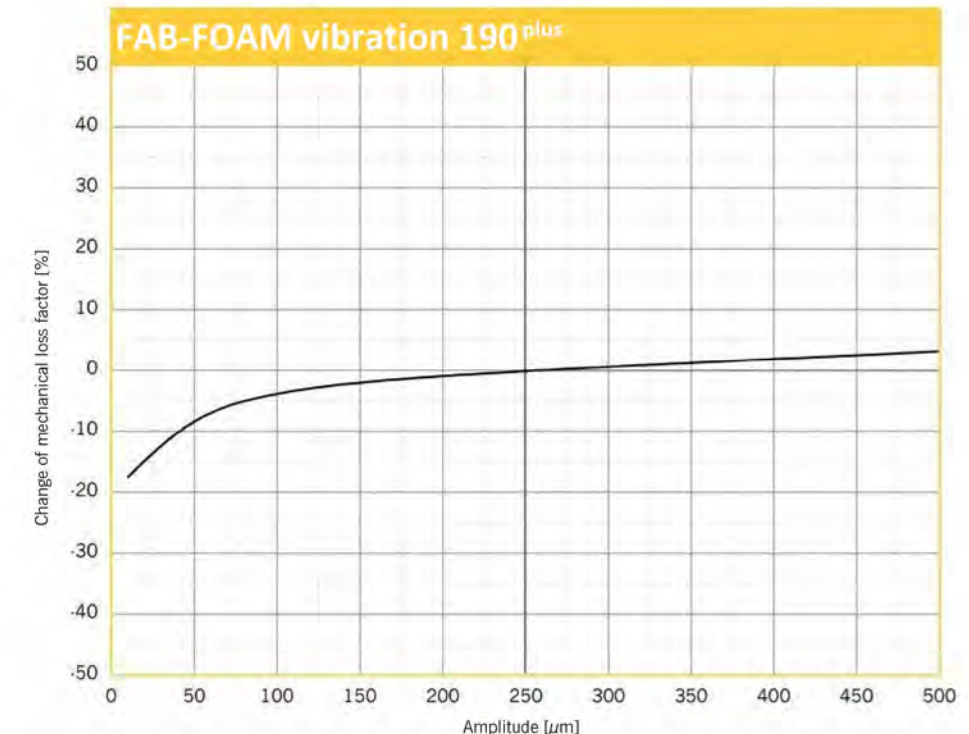


Natural frequency of a single-degree-of-freedom system (SDOF system) considering the dynamic stiffness of FAB-FOAM vibration 190 plus on a rigid base. Dimensions of test specimens 300 mm x 300 mm.

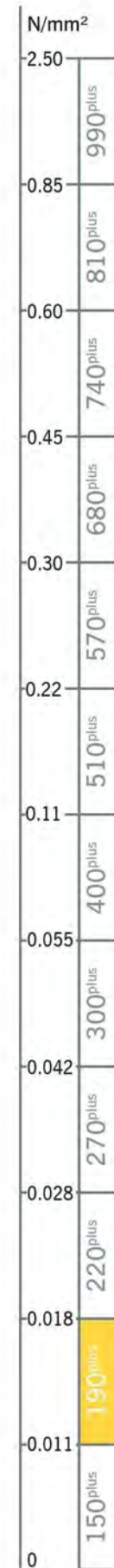
Influence of Amplitude



Change of the dynamic stiffness due to changes in amplitudes. Average for 5 Hz, 10 Hz and 40 Hz excitation. Sinusoidal excitation at a constant mean load of 0.018 N/mm², dimensions of the specimens 300 mm x 300 mm x 25 mm. Natural frequency of a single-degree-of-freedom system (SDOF system) on a rigid base.



Change of the mechanical loss factor due to changes in amplitudes. Sinusoidal excitation at a constant mean load of 0.018 N/mm², dimensions of the specimens 300 mm x 300 mm x 25 mm.



Modulus of Elasticity

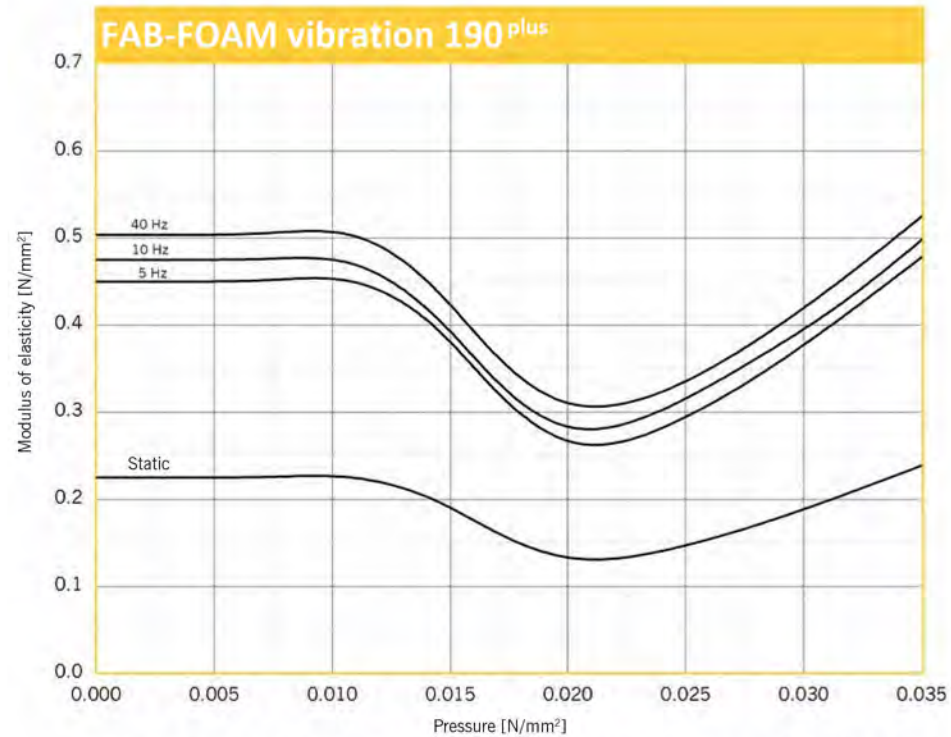


Illustration of the dynamic modulus of elasticity for sinusoidal excitation at a constant mean load and an amplitude of ± 0.25 mm. Dimensions of specimens 300 mm x 300 mm x 25 mm; static modulus of elasticity as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

Dynamic Stiffness

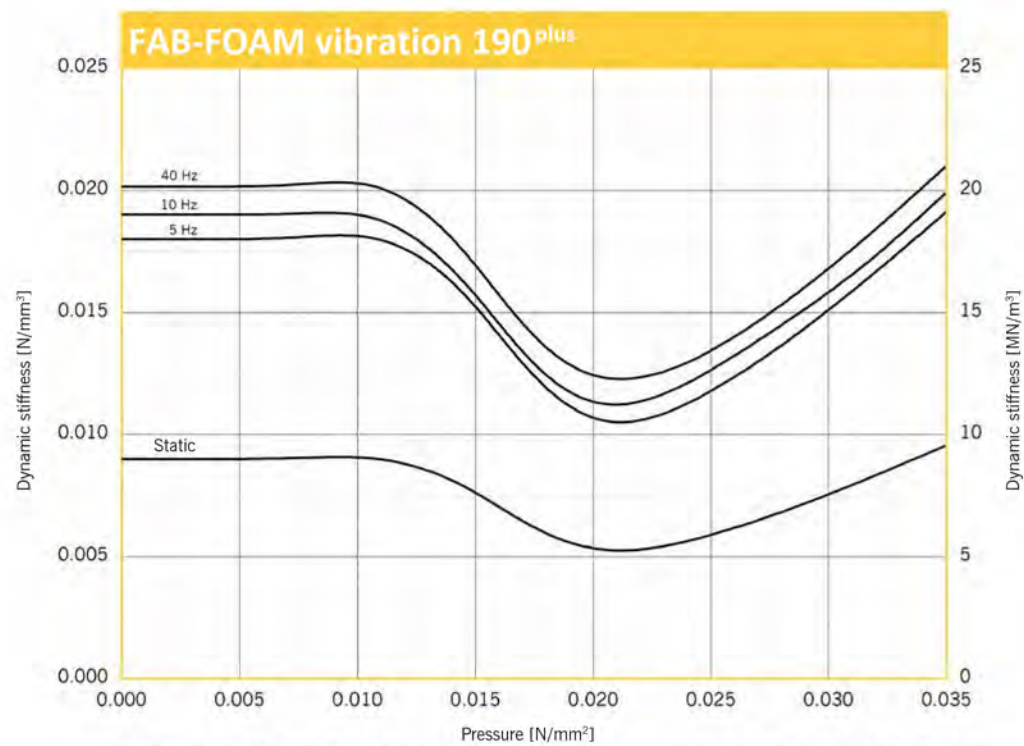
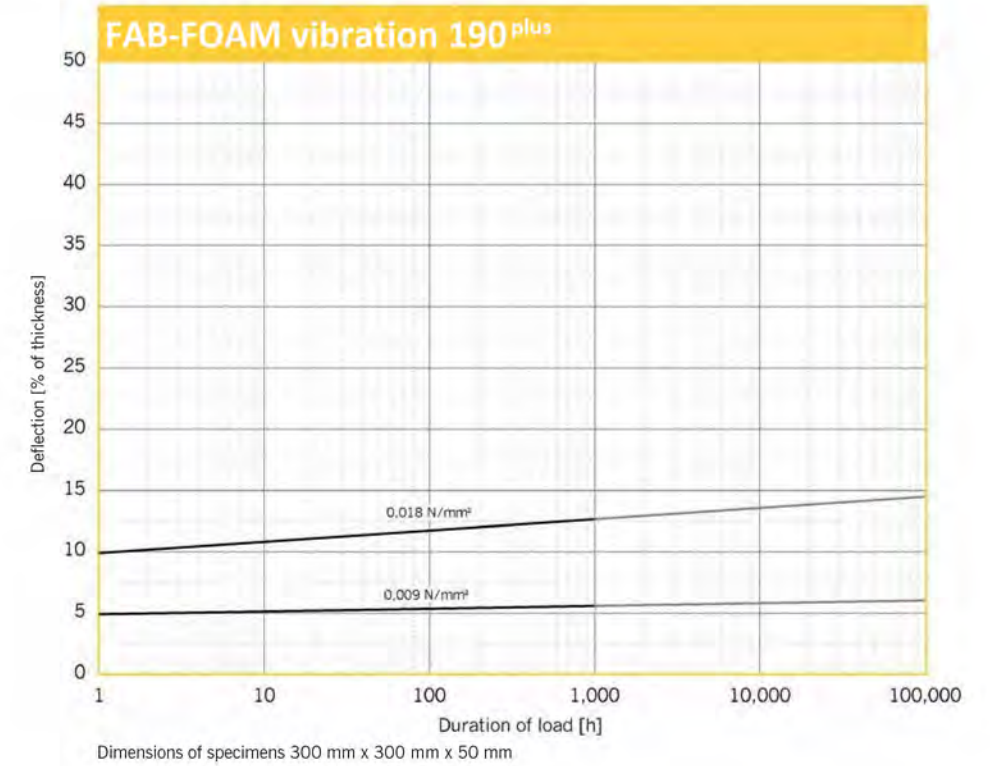


Illustration of the dynamic stiffness for sinusoidal excitation at a constant mean load and an amplitude of ± 0.25 mm. Dimensions of specimens 300 mm x 300 mm x 25 mm; static stiffness as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

Long-Term Creep Test



Dimensions of specimens 300 mm x 300 mm x 50 mm

Standard forms of delivery, ex warehouse

Rolls

Thickness: 12 and 25 mm, special thicknesses on request
 Length: 5,000 mm, special lengths available
 Width: 1,500 mm

Stripping/Plates

On request
 Die-cutting, water-jet cutting, self-adhesive versions possible

Continuous static load

0.028 N/mm²

Continuous and variable loads/operating load range

0 to 0.04 N/mm²

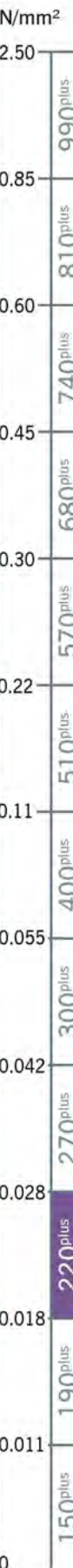
Peak loads (rare, short-term loads)

0.9 N/mm²

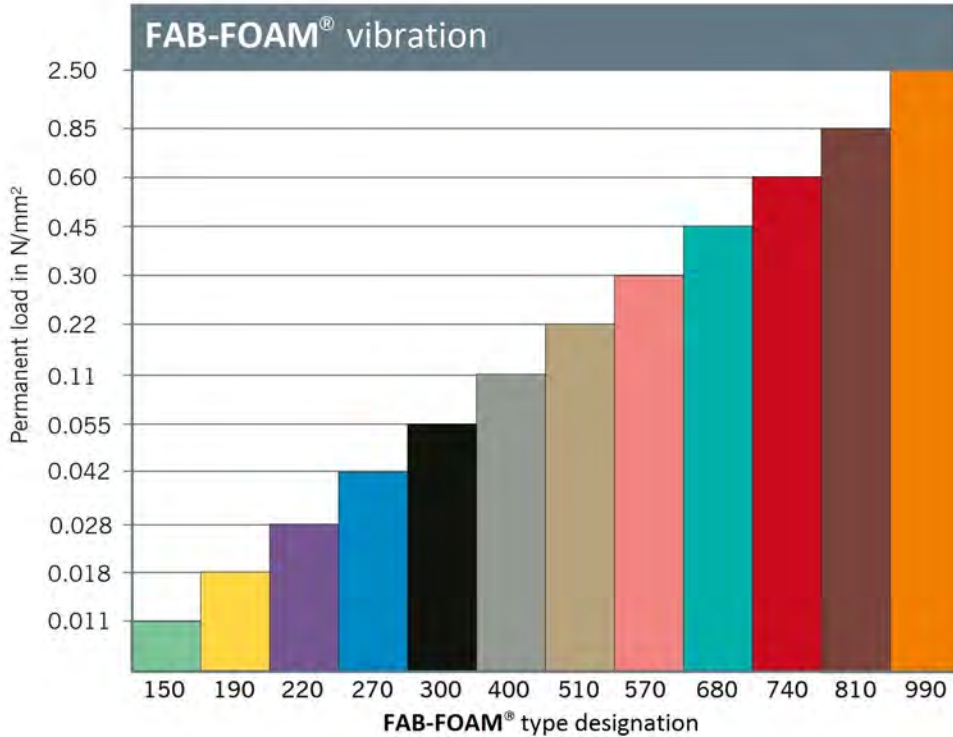


Colour: Purple

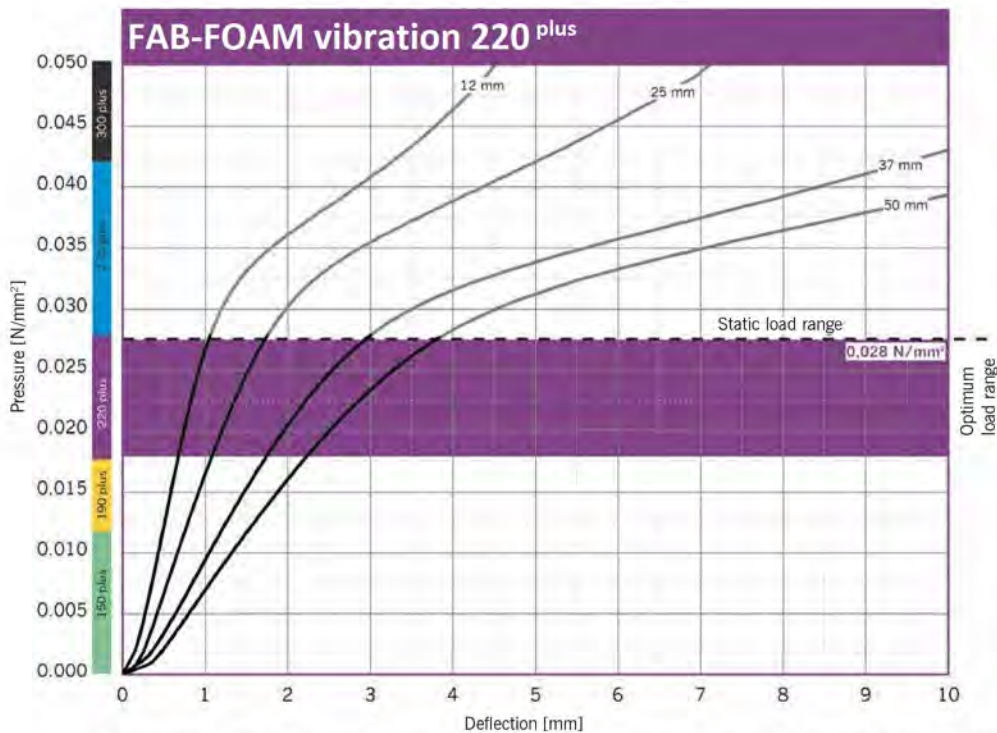
Static modulus of elasticity	Based on EN 826	0.15 - 0.35	N/mm ²	Tangential modulus, see figure "Modulus of elasticity"
Dynamic modulus of elasticity	Based on DIN 53513	0.35 - 0.75	N/mm ²	Depending on frequency, load and thickness, see figure "dynamic stiffness"
Mechanical loss factor	DIN 53513	0.22	[-]	Load-, amplitude- and frequency-dependent
Compression set	Based on DIN EN ISO 1856	2.3	%	Measured 30 minutes after decompression with 50% deformation / 23 °C after 72 hrs
Tensile strength	Based on DIN EN ISO 1798	0.5	N/mm ²	
Elongation at break	Based on DIN EN ISO 1798	180	%	
Tear resistance	Based on DIN ISO 34-1	2.1	N/mm	
Fire behaviour	DIN 4102 DIN EN 13501	B2 E	[-] [-]	Normal flammability
Sliding friction	BSW-laboratory BSW-laboratory	0.7 0.8	[-] [-]	Steel (dry) Concrete (dry)
Compression hardness	Based on DIN EN ISO 3386-2	39	kPa	Compressive stress at 25 % deformation test specimen h = 25 mm
Rebound elasticity	Based on DIN EN ISO 8307	47	%	dependent on thickness, test specimen h = 25 mm
Force reduction	DIN EN 14904	69	%	dependent on thickness, test specimen h = 25 mm



Load Ranges



Load Deflection



Examination of deflection in accordance to DIN EN 826 between two stiff panels. Illustration based on the third loading. Velocity of loading and unloading 20 seconds. Tested at room temperature. Dimensions of test specimens 300 mm x 300 mm.

Vibration Isolation

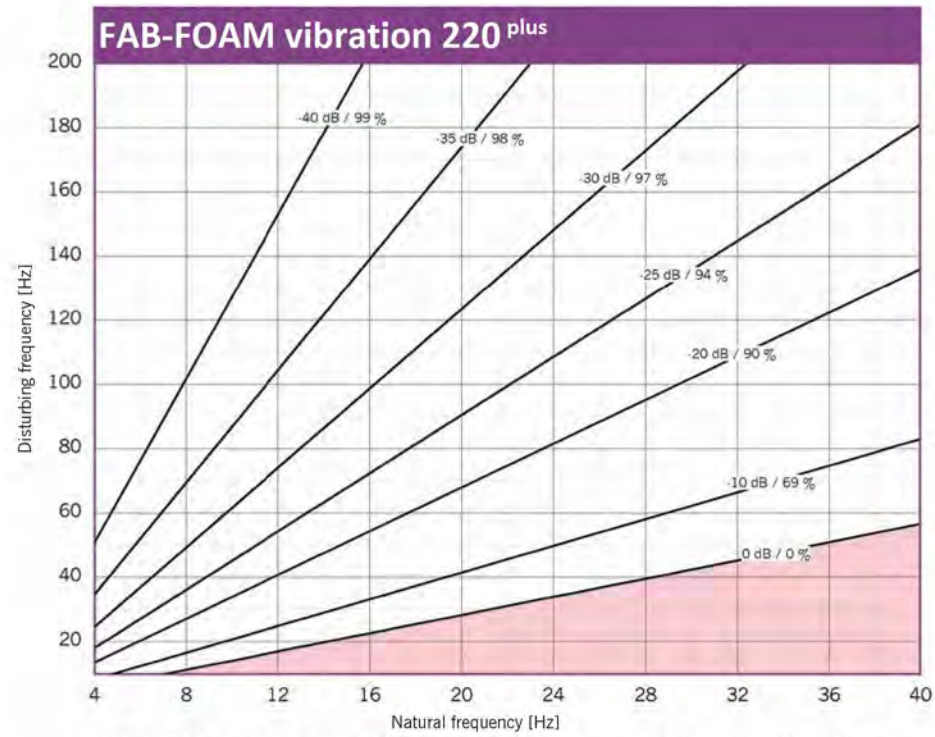
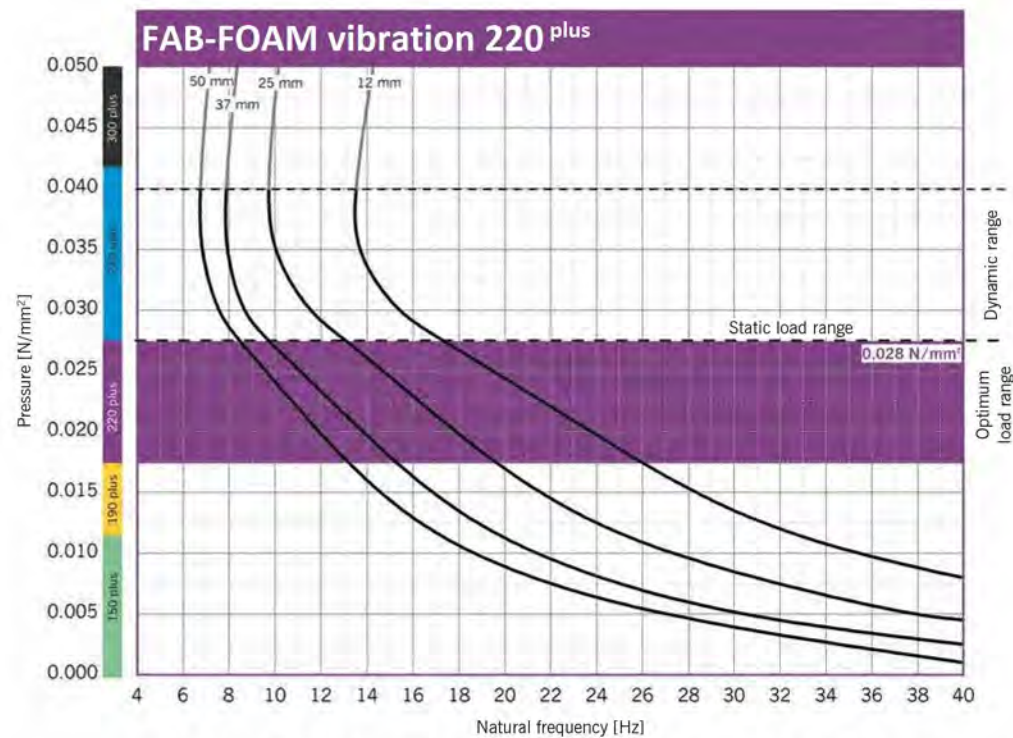


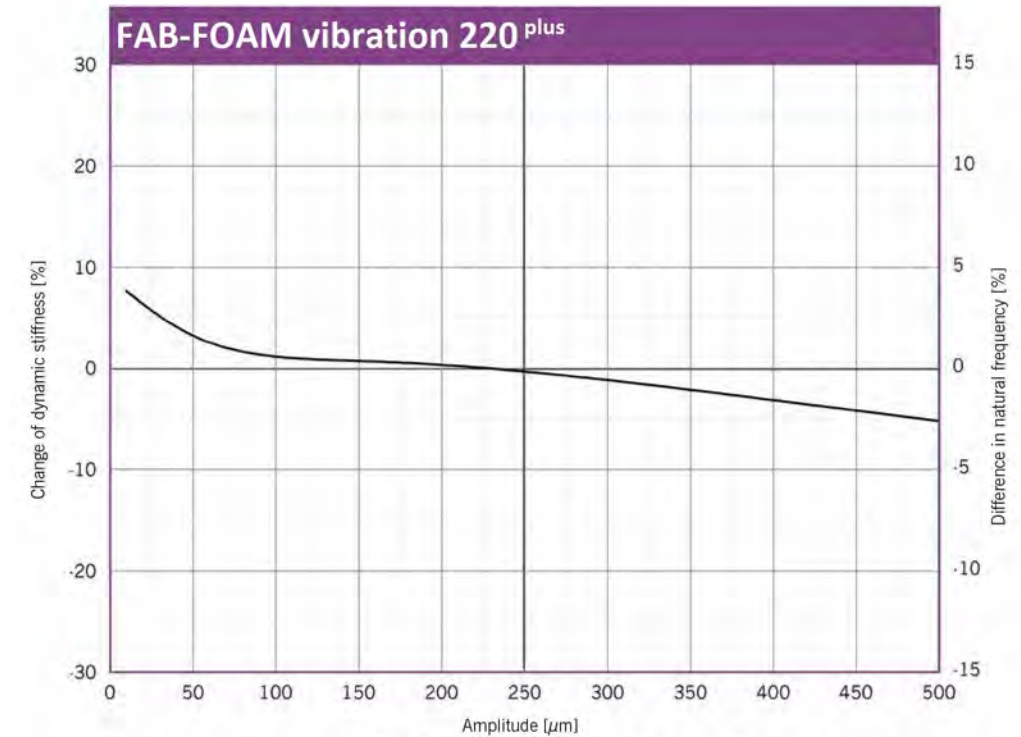
Illustration of the isolation efficiency of a single-degree-of-freedom system (SDOF system) on a rigid base with FAB-FOAM vibration 220 plus. Parameter: power transmission (insertion loss) in dB, isolation factor in %.

Natural Frequency

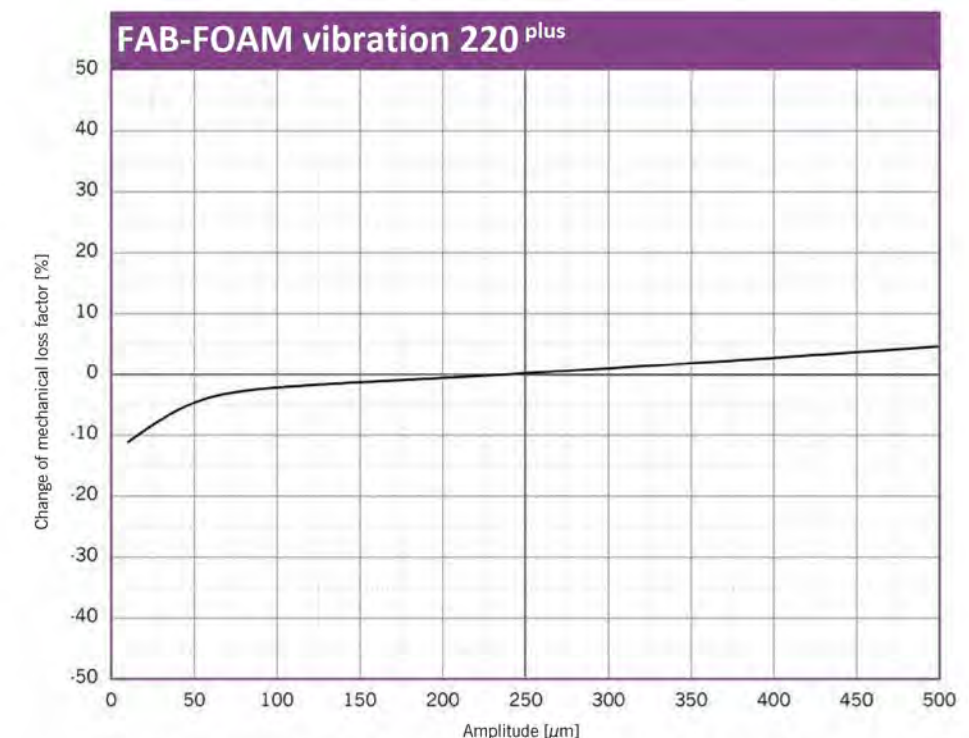


Natural frequency of a single-degree-of-freedom system (SDOF system) considering the dynamic stiffness of FAB-FOAM vibration 220 plus on a rigid base. Dimensions of test specimens 300 mm x 300 mm.

Influence of Amplitude



Change of the dynamic stiffness due to changes in amplitudes. Average for 5 Hz, 10 Hz and 40 Hz excitation. Sinusoidal excitation at a constant mean load of 0.028 N/mm², dimensions of the specimens 300 mm x 300 mm x 25 mm. Natural frequency of a single-degree-of-freedom system (SDOF system) on a rigid base.



Change of the mechanical loss factor due to changes in amplitudes. Sinusoidal excitation at a constant mean load of 0.028 N/mm², dimensions of the specimens 300 mm x 300 mm x 25 mm.



Modulus of Elasticity

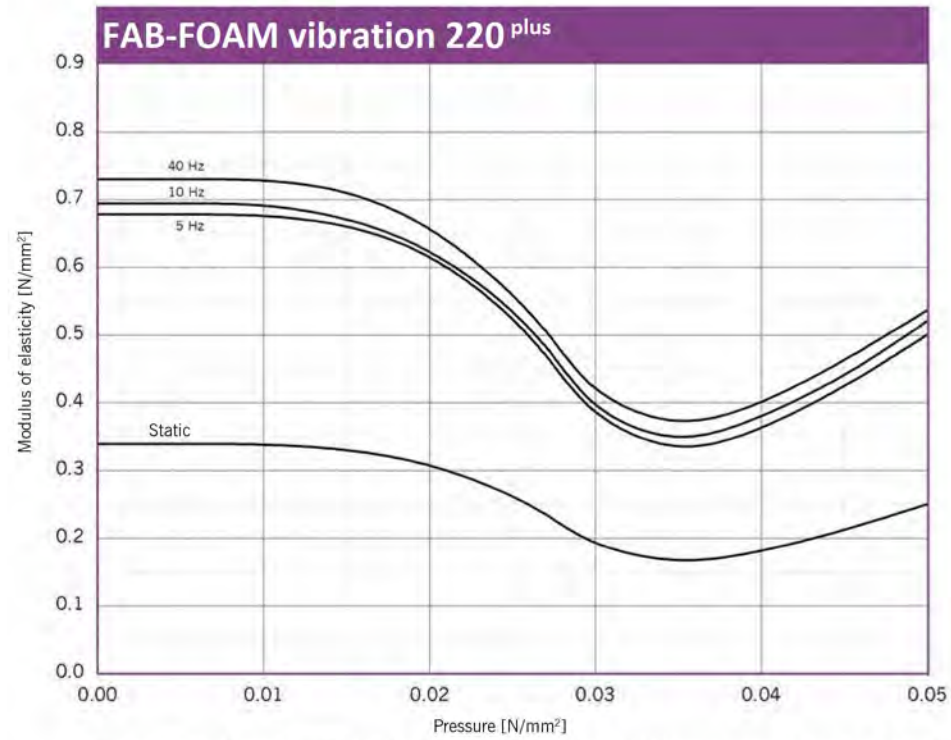


Illustration of the dynamic modulus of elasticity for sinusoidal excitation at a constant mean load and an amplitude of ± 0.25 mm. Dimensions of specimens 300 mm x 300 mm x 25 mm; static modulus of elasticity as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

Dynamic Stiffness

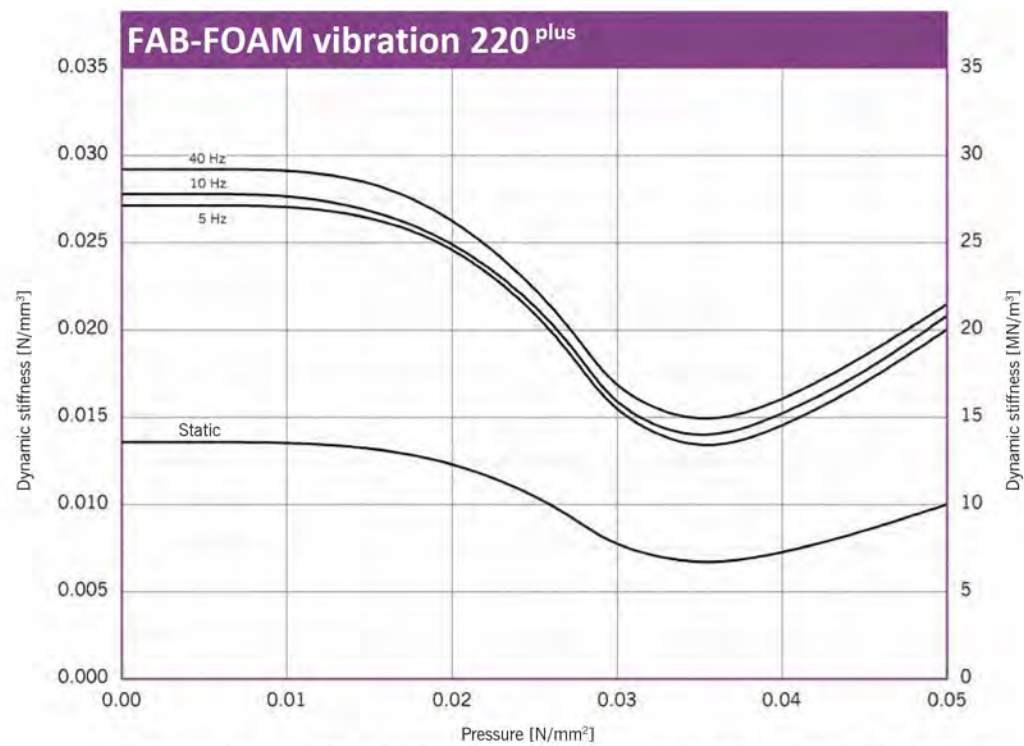
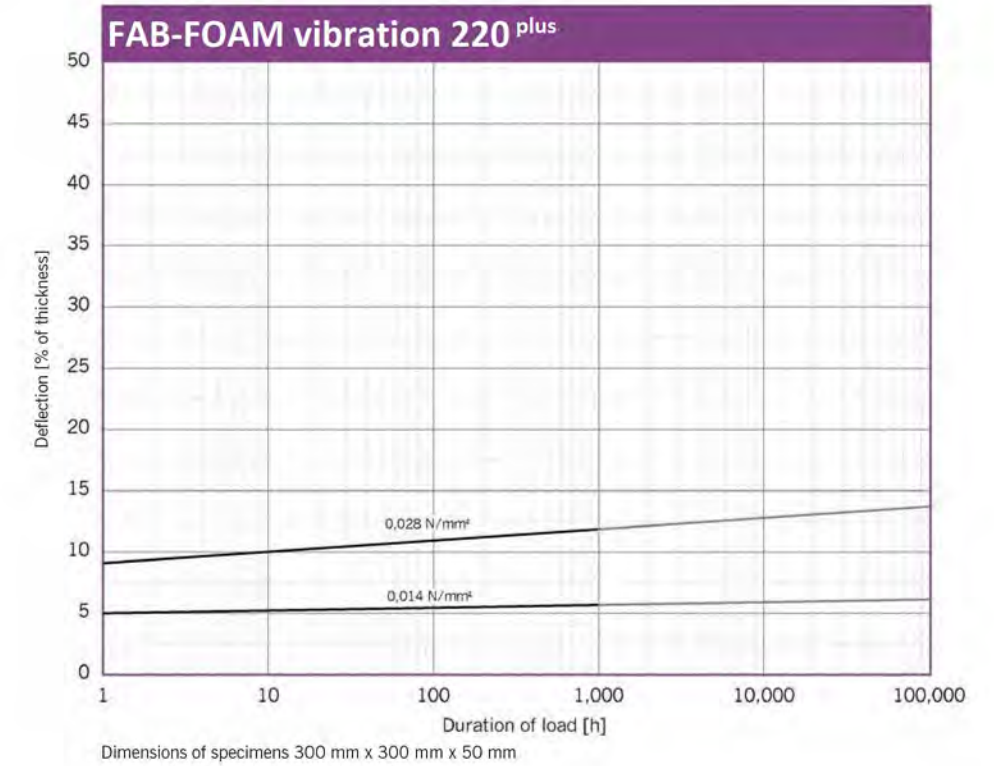


Illustration of the dynamic stiffness for sinusoidal excitation at a constant mean load and an amplitude of ± 0.25 mm. Dimensions of specimens 300 mm x 300 mm x 25 mm; static stiffness as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

Long-Term Creep Test



Dimensions of specimens 300 mm x 300 mm x 50 mm

Standard forms of delivery, ex warehouse

Rolls

Thickness: 12 and 25 mm, special thicknesses on request
 Length: 5,000 mm, special lengths available
 Width: 1,500 mm

Stripping/Plates

On request
 Die-cutting, water-jet cutting, self-adhesive versions possible

Continuous static load

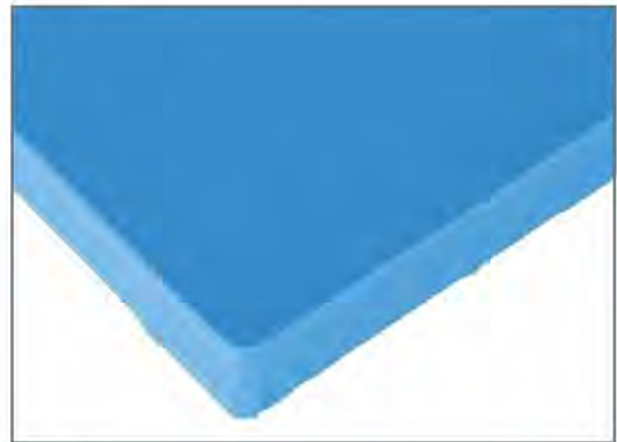
0.042 N/mm²

Continuous and variable loads/operating load range

0 to 0.062 N/mm²

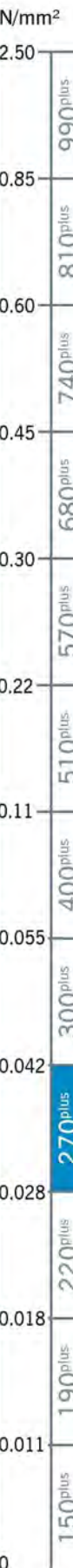
Peak loads (rare, short-term loads)

1.2 N/mm²

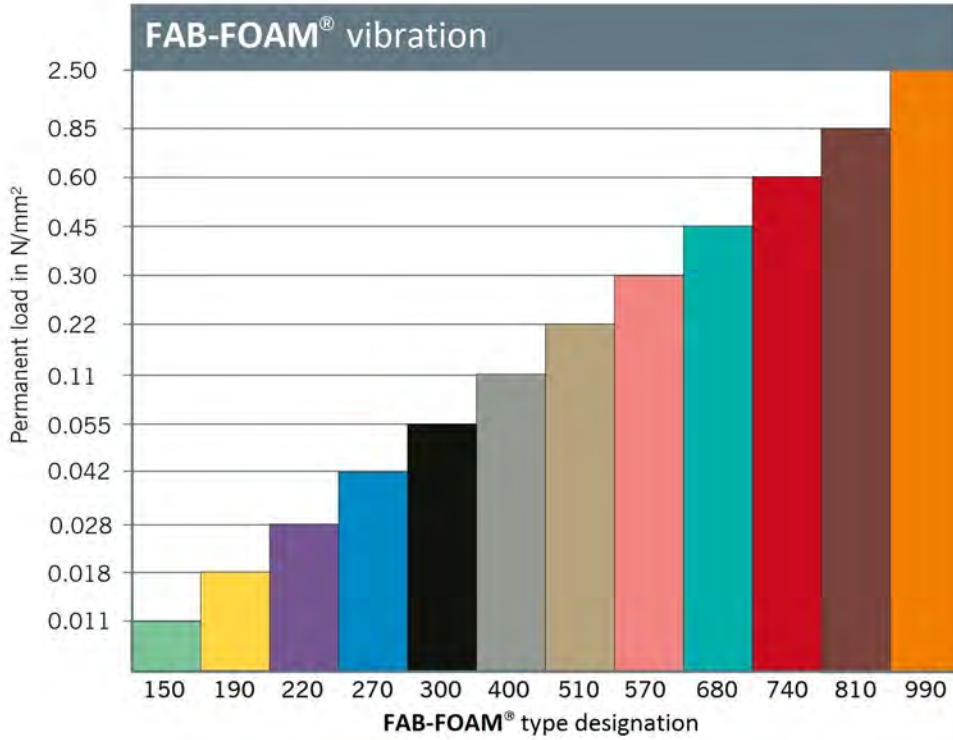


Colour: Blue

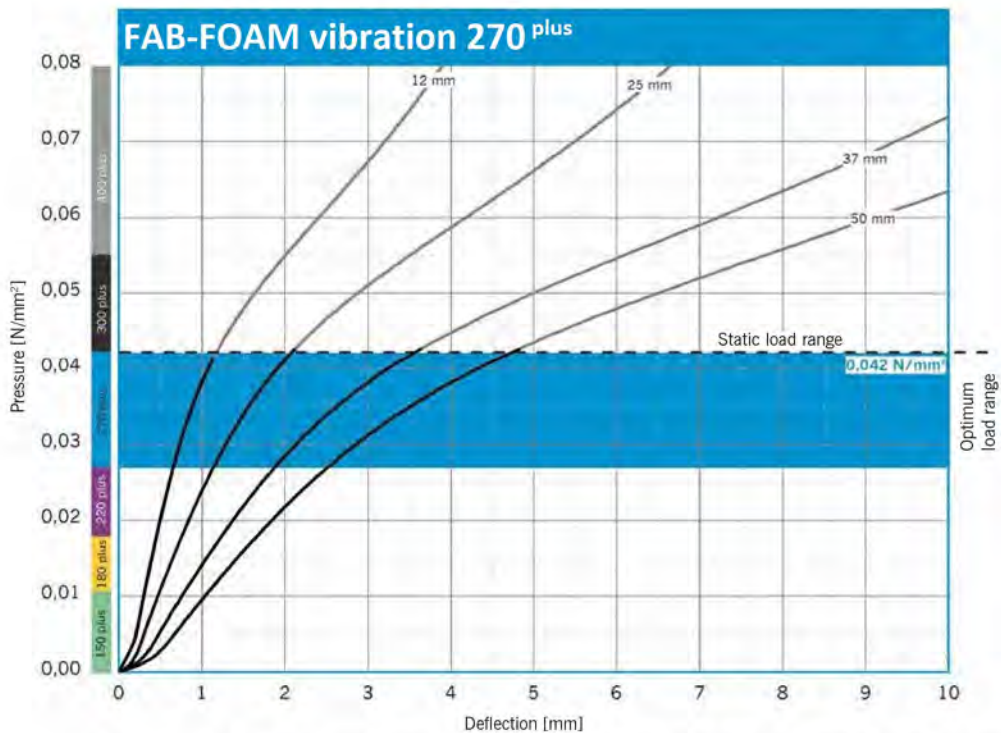
Static modulus of elasticity	Based on EN 826	0.25 - 0.45	N/mm ²	Tangential modulus, see figure "Modulus of elasticity"
Dynamic modulus of elasticity	Based on DIN 53513	0.60 - 1.05	N/mm ²	Depending on frequency, load and thickness, see figure "dynamic stiffness"
Mechanical loss factor	DIN 53513	0.2	[-]	Load-, amplitude- and frequency-dependent
Compression set	Based on DIN EN ISO 1856	3.2	%	Measured 30 minutes after decompression with 50% deformation / 23 °C after 72 hrs
Tensile strength	Based on DIN EN ISO 1798	0.9	N/mm ²	
Elongation at break	Based on DIN EN ISO 1798	210	%	
Tear resistance	Based on DIN ISO 34-1	4.5	N/mm	
Fire behaviour	DIN 4102 DIN EN 13501	B2 E	[-] [-]	Normal flammability
Sliding friction	BSW-laboratory BSW-laboratory	0.7 0.8	[-] [-]	Steel (dry) Concrete (dry)
Compression hardness	Based on DIN EN ISO 3386-2	63	kPa	Compressive stress at 25 % deformation test specimen h = 25 mm
Rebound elasticity	Based on DIN EN ISO 8307	38	%	dependent on thickness, test specimen h = 25 mm
Force reduction	DIN EN 14904	70	%	dependent on thickness, test specimen h = 25 mm



Load Ranges



Load Deflection



Examination of deflection in accordance to DIN EN 826 between two stiff panels. Illustration based on the third loading. Velocity of loading and unloading 20 seconds. Tested at room temperature. Dimensions of test specimens 300 mm x 300 mm.

Vibration Isolation

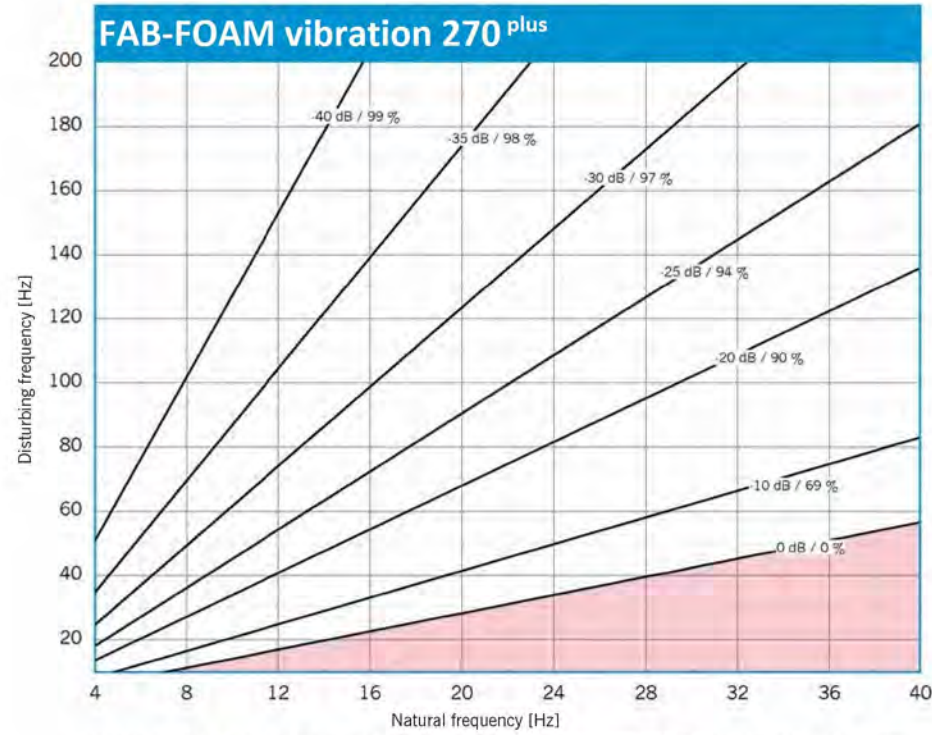
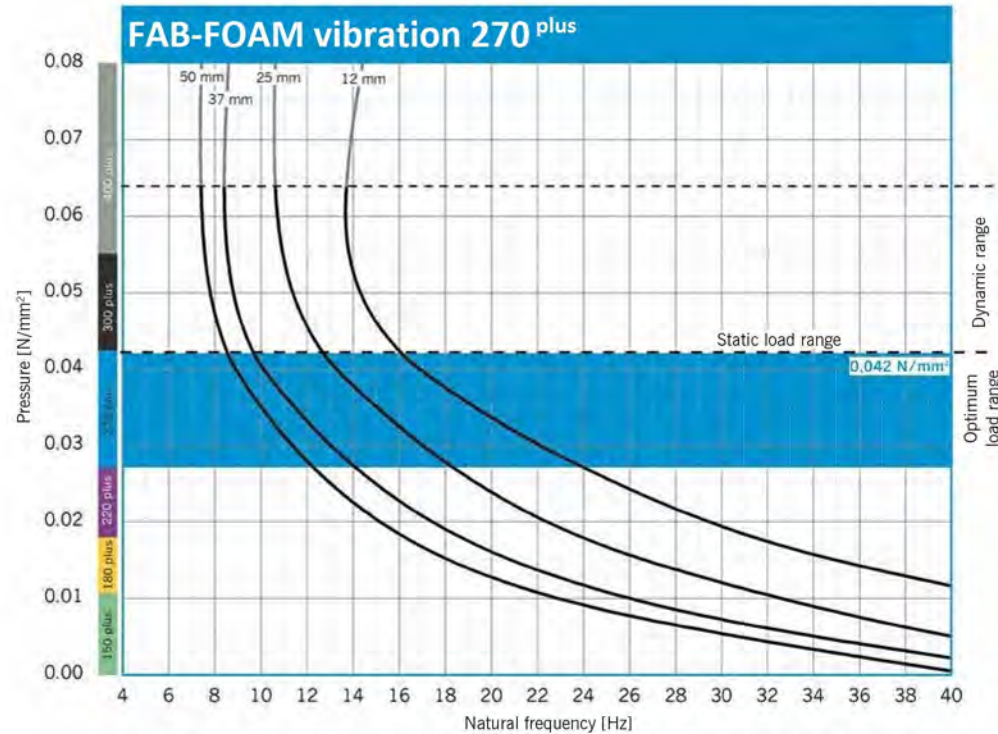


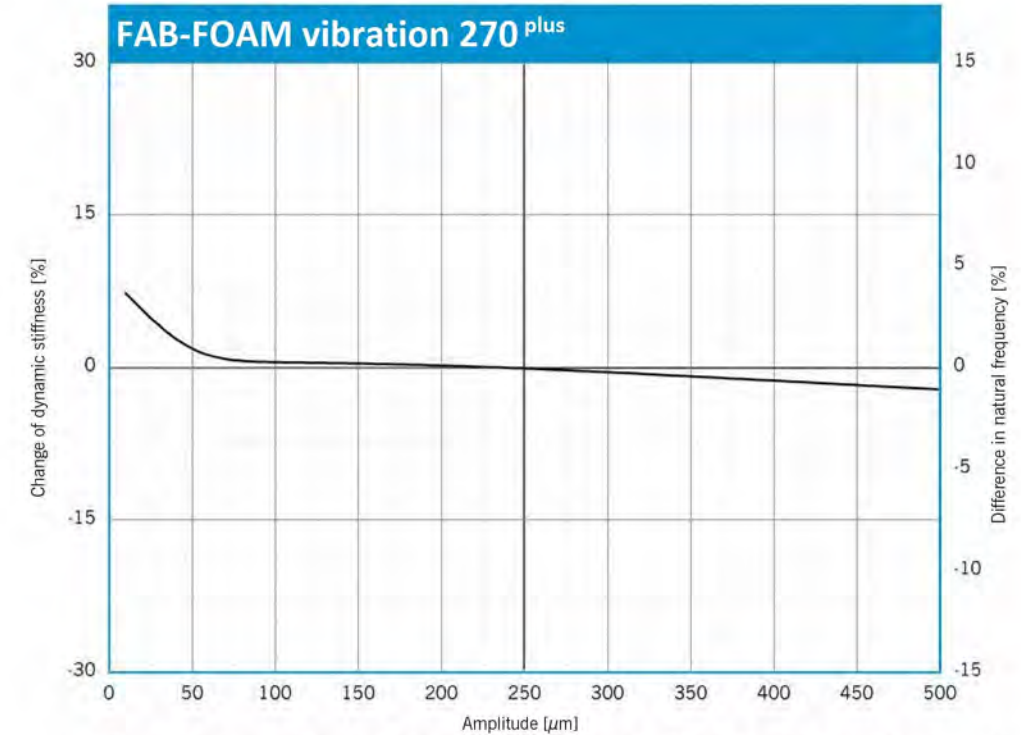
Illustration of the isolation efficiency of a single-degree-of-freedom system (SDOF system) on a rigid base with FAB-FOAM vibration 270 plus. Parameter: power transmission (insertion loss) in dB, isolation factor in %.

Natural Frequency

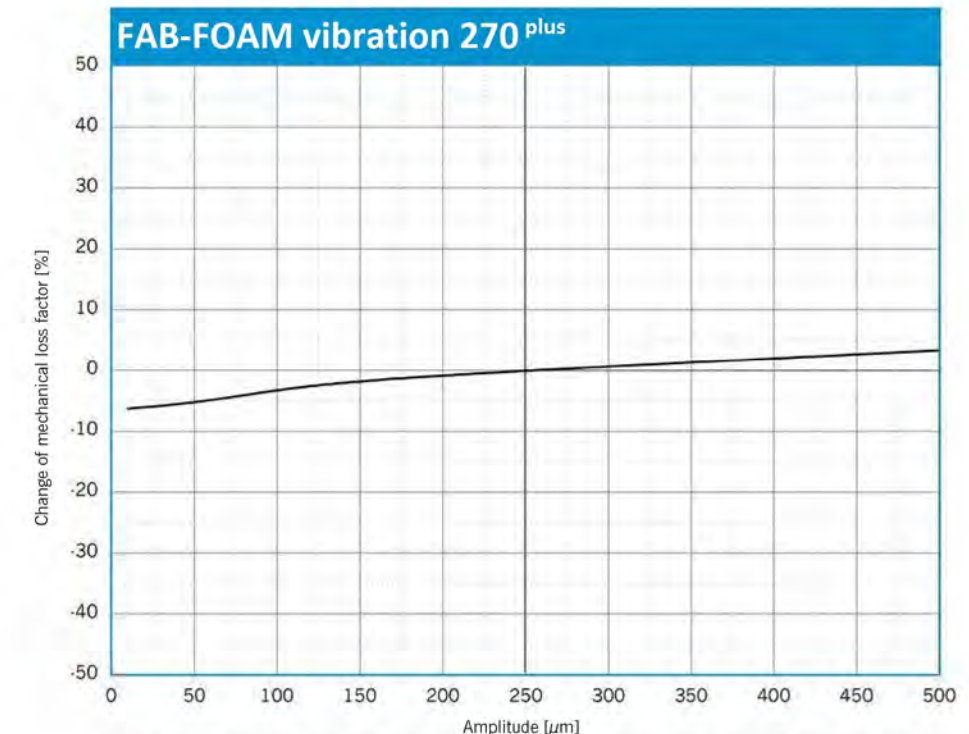


Natural frequency of a single-degree-of-freedom system (SDOF system) considering the dynamic stiffness of FAB-FOAM vibration 270 plus on a rigid base. Dimensions of test specimens 300 mm x 300 mm.

Influence of Amplitude



Change of the dynamic stiffness due to changes in amplitudes. Average for 5 Hz, 10 Hz and 40 Hz excitation. Sinusoidal excitation at a constant mean load of 0.042 N/mm², dimensions of the specimens 300 mm x 300 mm x 25 mm. Natural frequency of a single-degree-of-freedom system (SDOF system) on a rigid base.



Change of the mechanical loss factor due to changes in amplitudes. Sinusoidal excitation at a constant mean load of 0.042 N/mm², dimensions of the specimens 300 mm x 300 mm x 25 mm.

Modulus of Elasticity

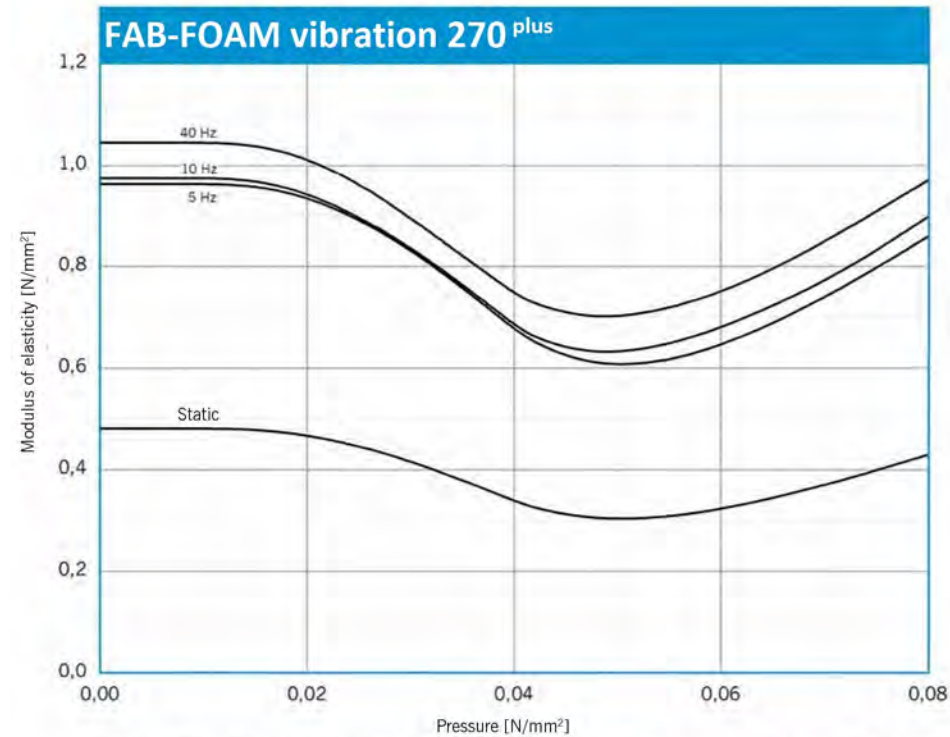


Illustration of the dynamic modulus of elasticity for sinusoidal excitation at a constant mean load and an amplitude of $\pm 0,25$ mm. Dimensions of specimens 300 mm x 300 mm x 25 mm; static modulus of elasticity as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

Dynamic Stiffness

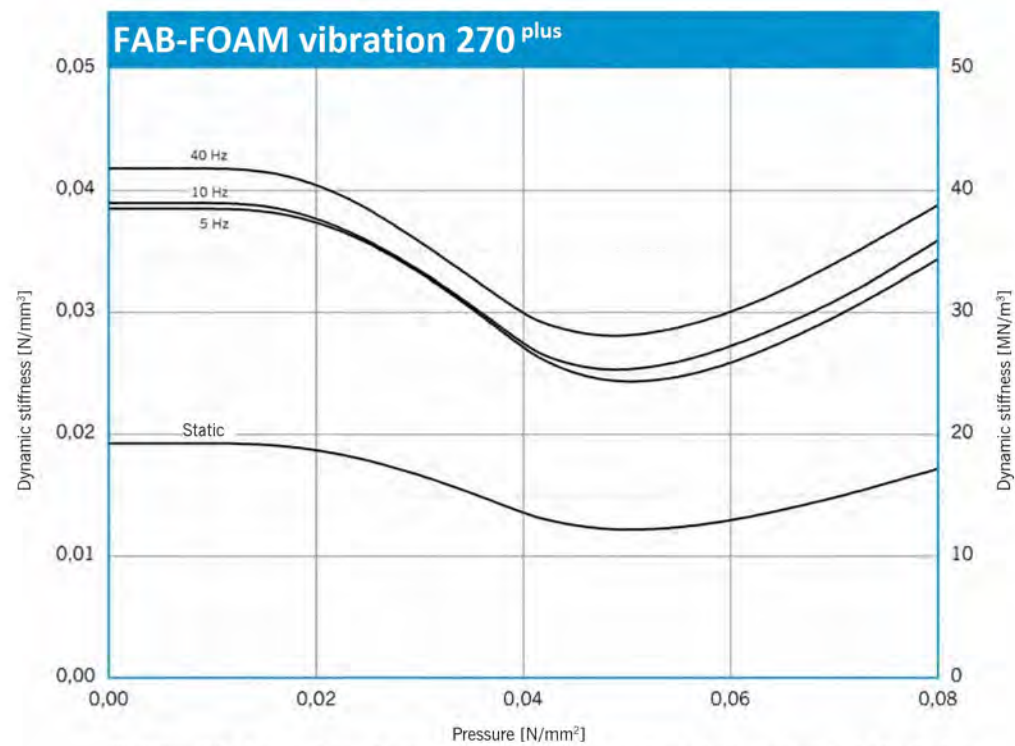
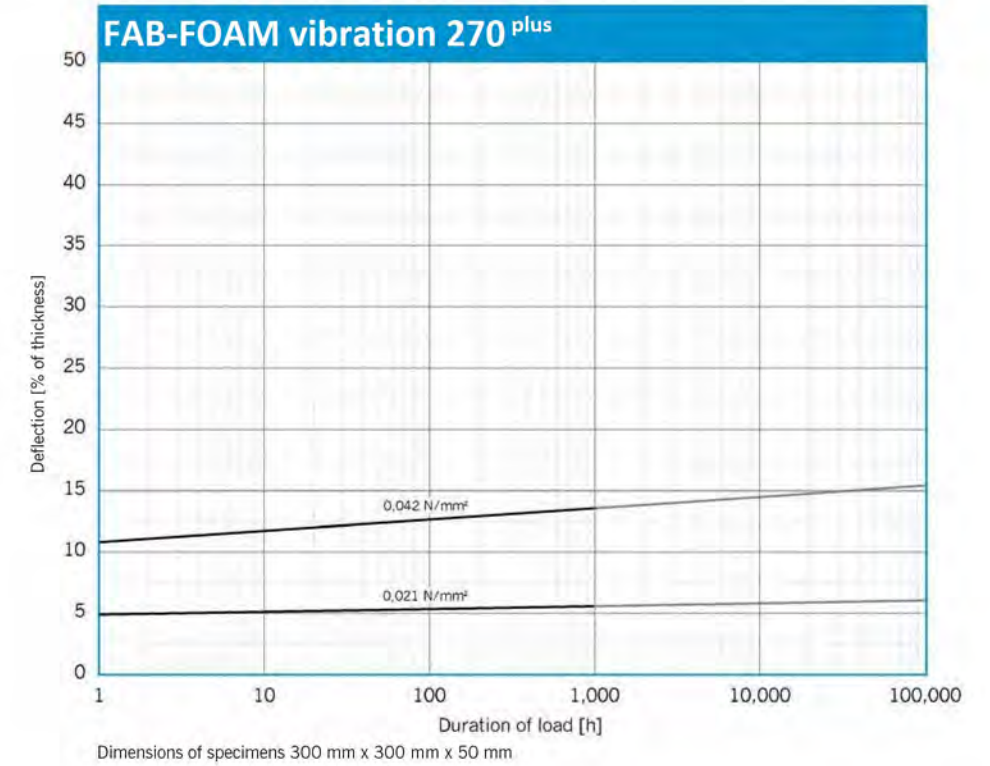


Illustration of the dynamic stiffness for sinusoidal excitation at a constant mean load and an amplitude of $\pm 0,25$ mm. Dimensions of specimens 300 mm x 300 mm x 25 mm; static stiffness as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

Long-Term Creep Test



Dimensions of specimens 300 mm x 300 mm x 50 mm

Standard forms of delivery, ex warehouse

Rolls

Thickness: 12 and 25 mm, special thicknesses on request
 Length: 5,000 mm, special lengths available
 Width: 1,500 mm

Stripping/Plates

On request
 Die-cutting, water-jet cutting, self-adhesive versions possible

Continuous static load

0.055 N/mm²

Continuous and variable loads/operating load range

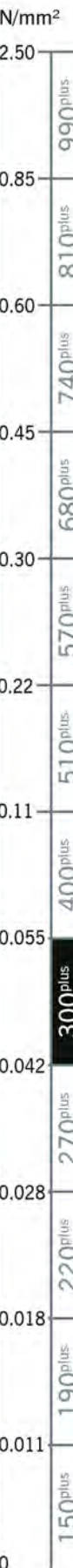
0 to 0.08 N/mm²

Peak loads (rare, short-term loads)

2 N/mm²

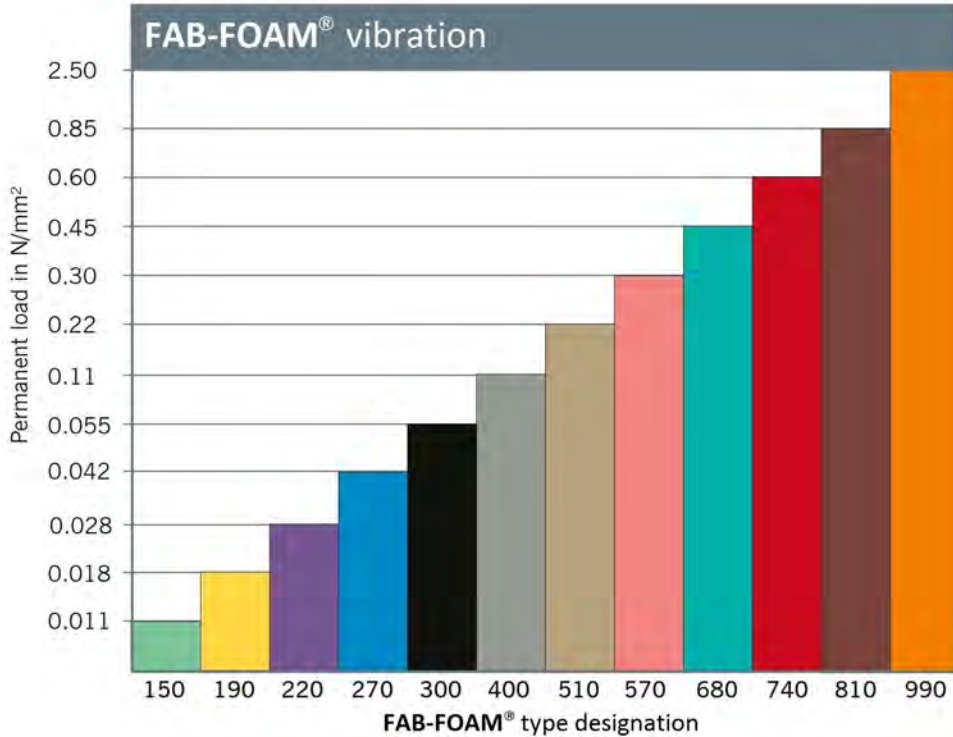


Colour: Black

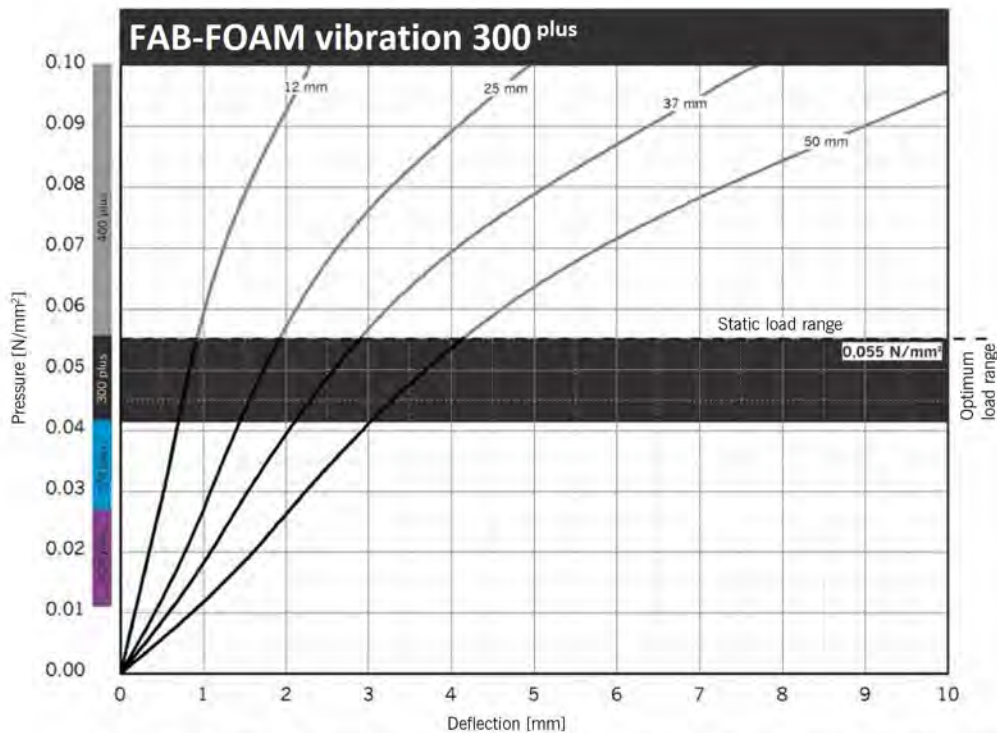


Static modulus of elasticity	Based on EN 826	0.35 - 0.58	N/mm ²	Tangential modulus, see figure "Modulus of elasticity"
Dynamic modulus of elasticity	Based on DIN 53513	0.68 - 1.25	N/mm ²	Depending on frequency, load and thickness, see figure "dynamic stiffness"
Mechanical loss factor	DIN 53513	0.18	[-]	Load-, amplitude- and frequency-dependent
Compression set	Based on DIN EN ISO 1856	3.4	%	Measured 30 minutes after decompression with 50% deformation / 23 °C after 72 hrs
Tensile strength	Based on DIN EN ISO 1798	1.2	N/mm ²	
Elongation at break	Based on DIN EN ISO 1798	240	%	
Tear resistance	Based on DIN ISO 34-1	4.8	N/mm	
Fire behaviour	DIN 4102 DIN EN 13501	B2 E	[-] [-]	Normal flammability
Sliding friction	BSW-laboratory BSW-laboratory	0.6 0.75	[-] [-]	Steel (dry) Concrete (dry)
Compression hardness	Based on DIN EN ISO 3386-2	82	kPa	Compressive stress at 25 % deformation test specimen h = 25 mm
Rebound elasticity	Based on DIN EN ISO 8307	44	%	dependent on thickness, test specimen h = 25 mm
Force reduction	DIN EN 14904	72	%	dependent on thickness, test specimen h = 25 mm

Load Ranges



Load Deflection



Examination of deflection in accordance to DIN EN 826 between two stiff panels. Illustration based on the third loading. Velocity of loading and unloading 20 seconds. Tested at room temperature. Dimensions of test specimens 300 mm x 300 mm.

Vibration Isolation

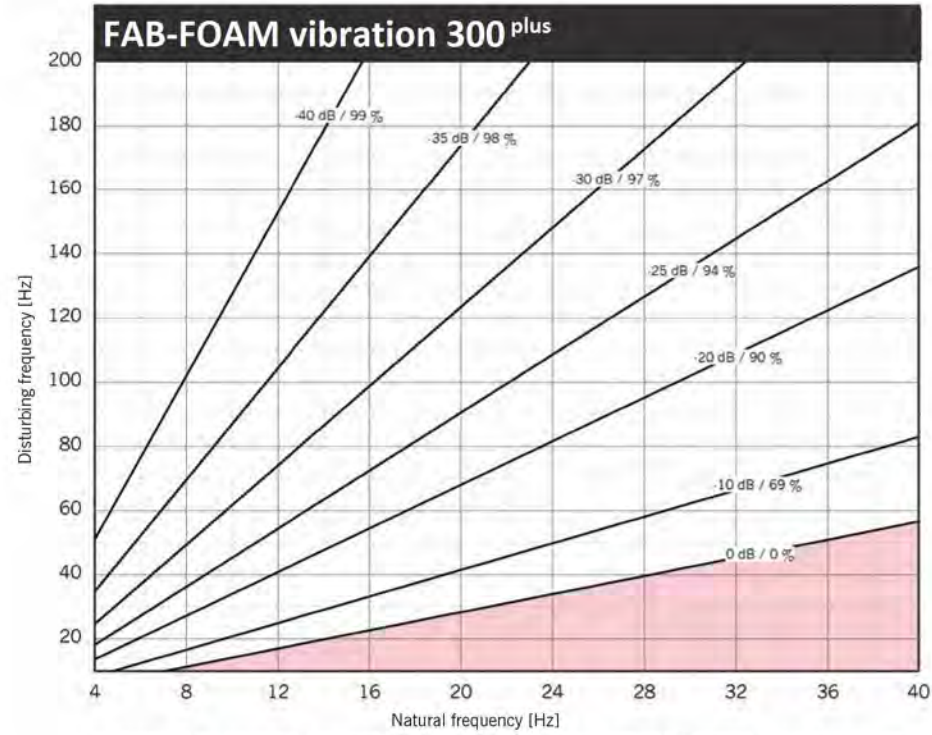
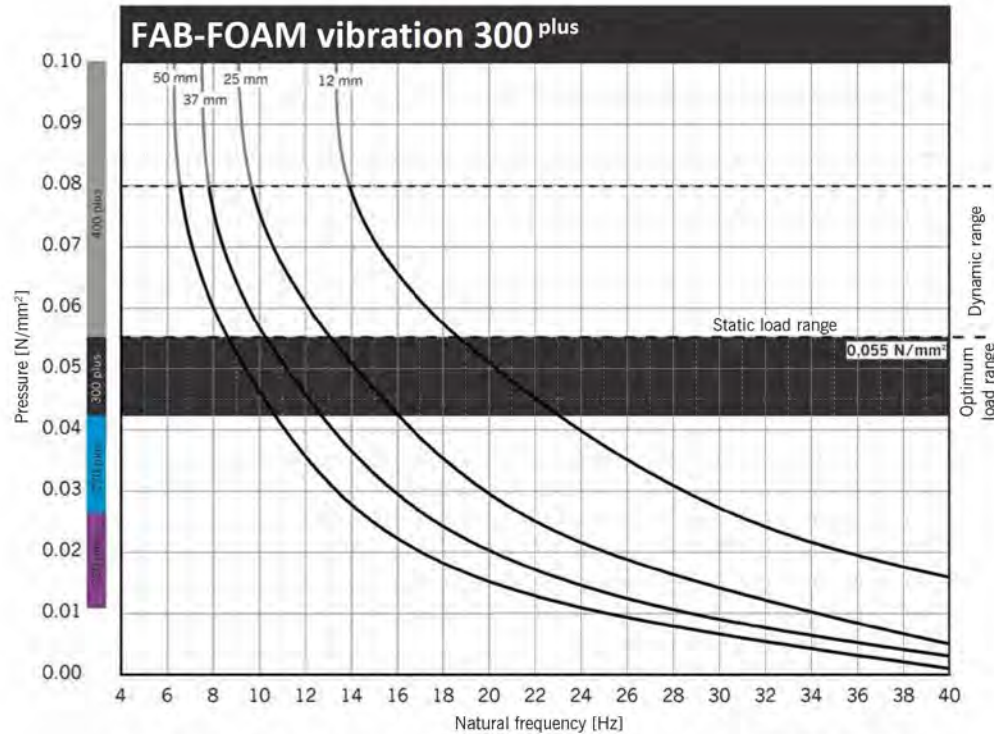


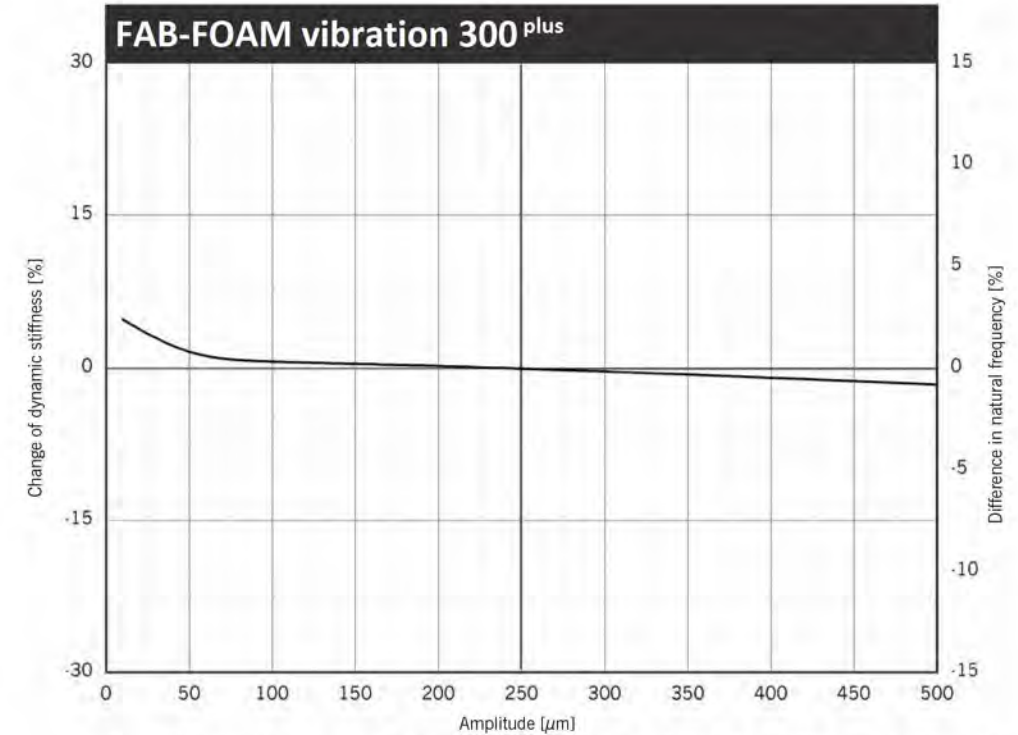
Illustration of the isolation efficiency of a single-degree-of-freedom system (SDOF system) on a rigid base with FAB-FOAM vibration 300 plus. Parameter: power transmission (insertion loss) in dB, isolation factor in %.

Natural Frequency

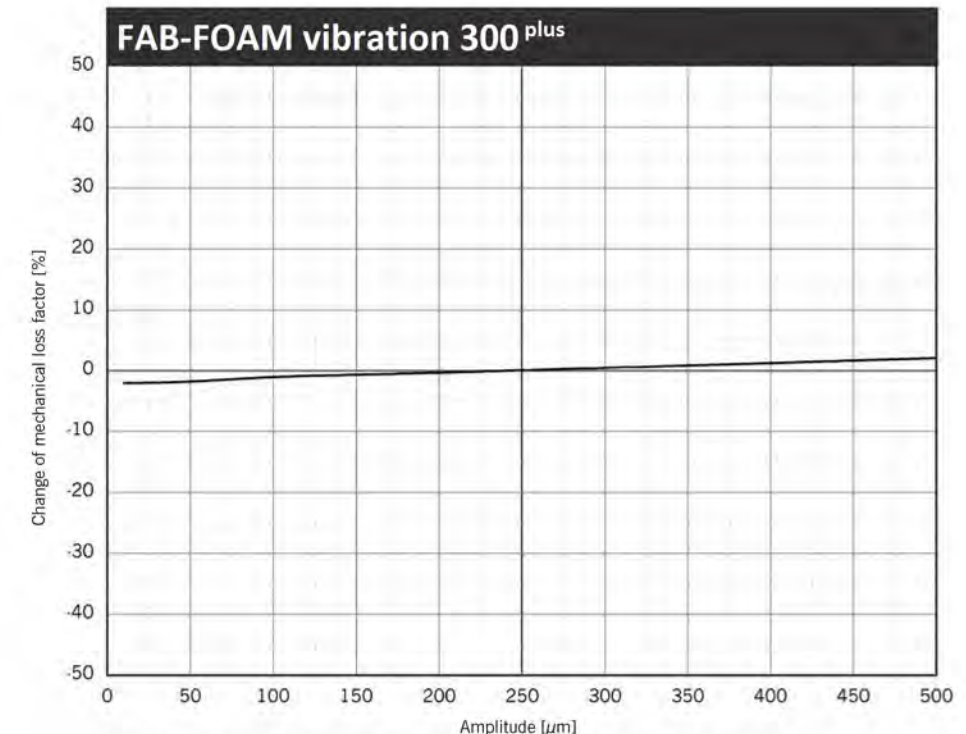


Natural frequency of a single-degree-of-freedom system (SDOF system) considering the dynamic stiffness of FAB-FOAM vibration 300 plus on a rigid base. Dimensions of test specimens 300 mm x 300 mm.

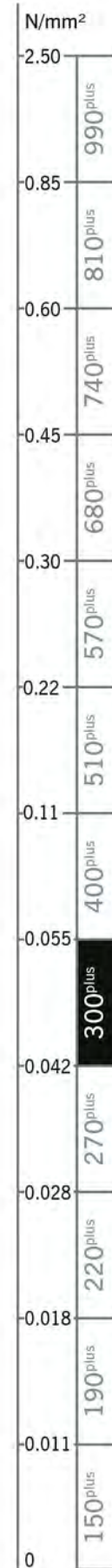
Influence of Amplitude



Change of the dynamic stiffness due to changes in amplitudes. Average for 5 Hz, 10 Hz and 40 Hz excitation. Sinusoidal excitation at a constant mean load of 0.055 N/mm², dimensions of the specimens 300 mm x 300 mm x 25 mm. Natural frequency of a single-degree-of-freedom system (SDOF system) on a rigid base.



Change of the mechanical loss factor due to changes in amplitudes. Sinusoidal excitation at a constant mean load of 0.055 N/mm², dimensions of the specimens 300 mm x 300 mm x 25 mm.



Modulus of Elasticity

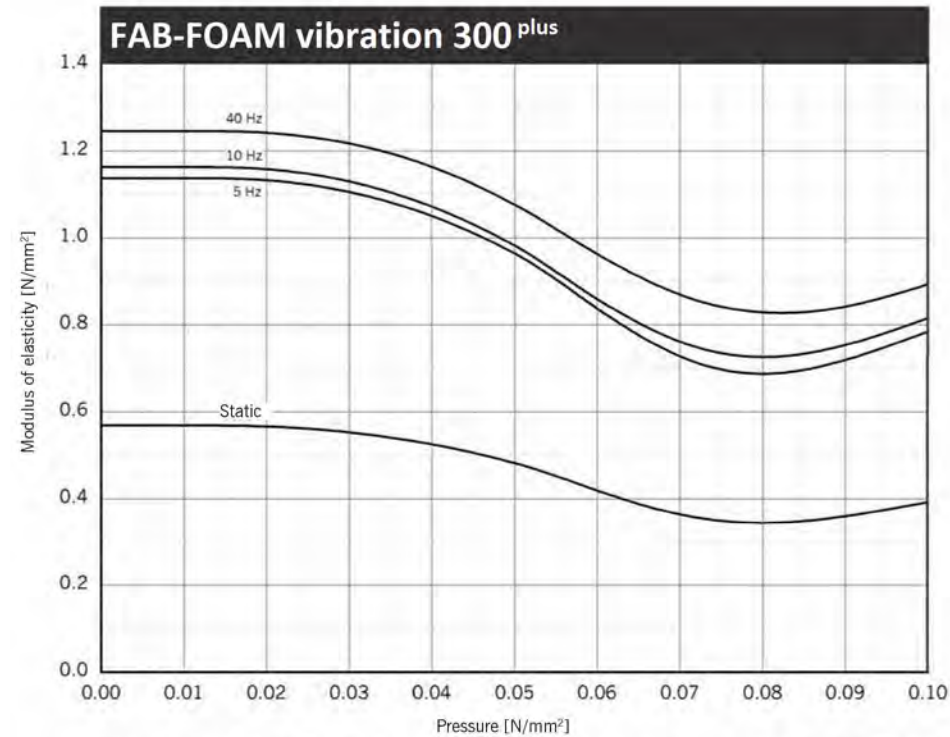


Illustration of the dynamic modulus of elasticity for sinusoidal excitation at a constant mean load and an amplitude of ± 0.25 mm. Dimensions of specimens 300 mm x 300 mm x 25 mm; static modulus of elasticity as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

Dynamic Stiffness

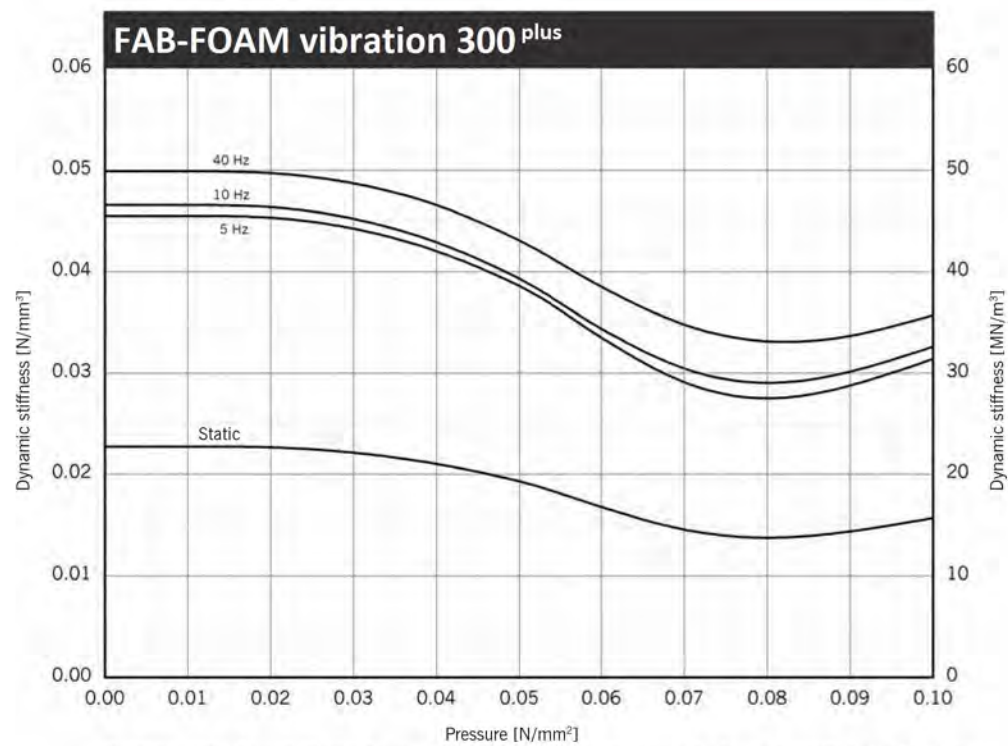
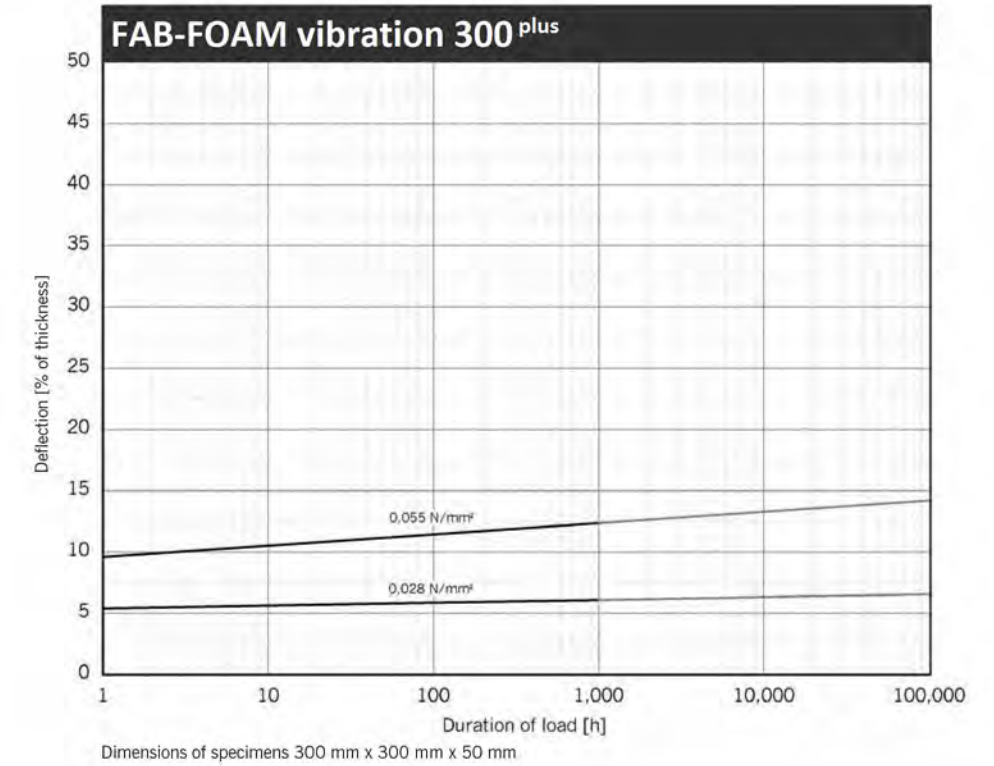


Illustration of the dynamic stiffness for sinusoidal excitation at a constant mean load and an amplitude of ± 0.25 mm. Dimensions of specimens 300 mm x 300 mm x 25 mm; static stiffness as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

Long-Term Creep Test



Dimensions of specimens 300 mm x 300 mm x 50 mm

Standard forms of delivery, ex warehouse

Plates

Thickness: 12 and 25 mm, special thicknesses on request
 Length: 1,500 mm, special lengths available
 Width: 1,000 mm

Stripping/smaller sizes

On request
 Die-cutting, water-jet cutting, self-adhesive versions possible

Continuous static load

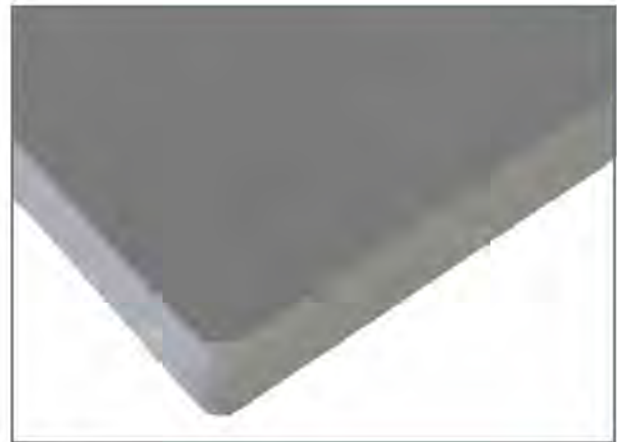
0.11 N/mm²

Continuous and variable loads/operating load range

0 to 0.16 N/mm²

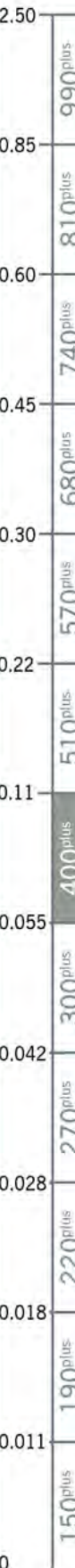
Peak loads (rare, short-term loads)

up to 3 N/mm²



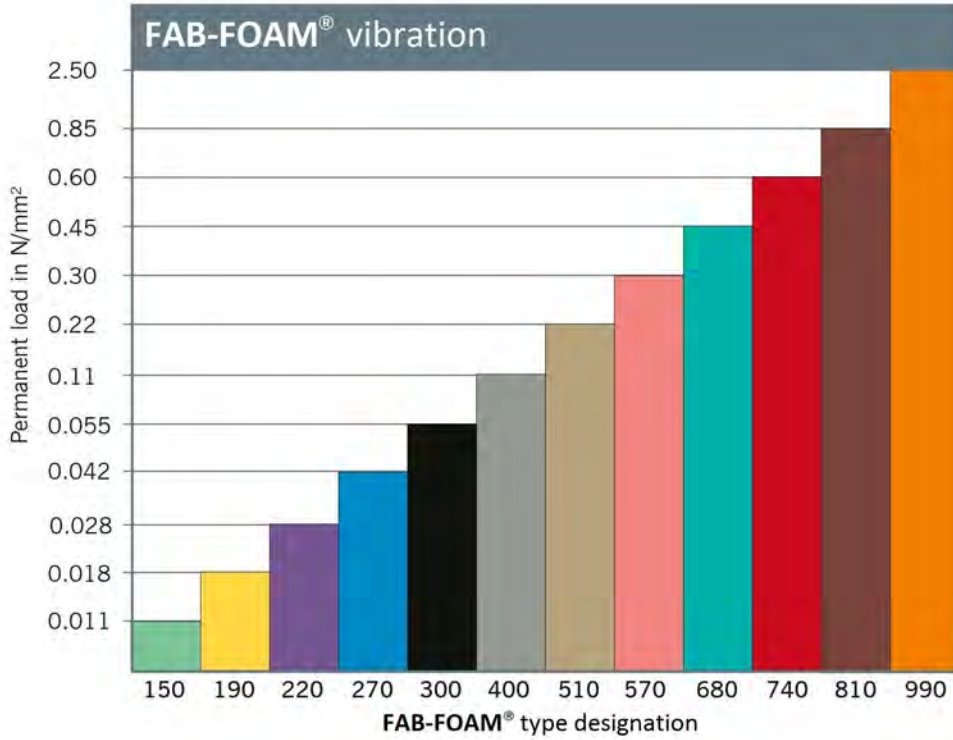
Colour: Grey

N/mm²

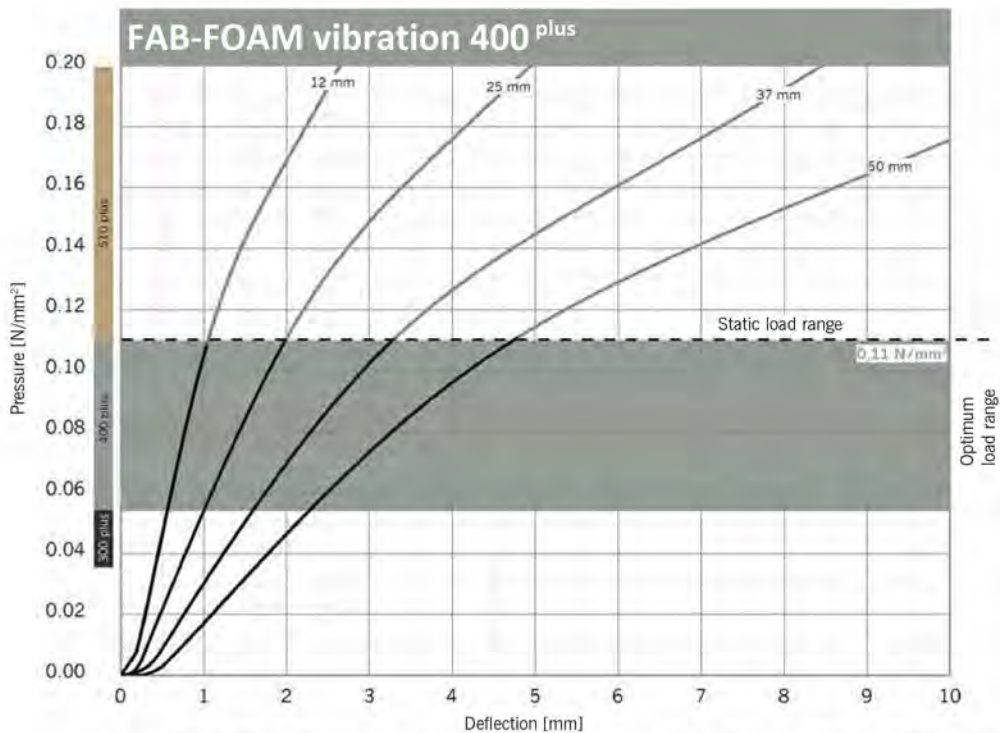


Static modulus of elasticity	Based on EN 826	0.6 - 1.0	N/mm ²	Tangential modulus, see figure "Modulus of elasticity"
Dynamic modulus of elasticity	Based on DIN 53513	1.2 - 2.0	N/mm ²	Depending on frequency, load and thickness, see figure "dynamic stiffness"
Mechanical loss factor	DIN 53513	0.17	[-]	Load-, amplitude- and frequency-dependent
Compression set	Based on DIN EN ISO 1856	3.9	%	Measured 30 minutes after decompression with 50% deformation / 23 °C after 72 hrs
Tensile strength	Based on DIN EN ISO 1798	1.5	N/mm ²	
Elongation at break	Based on DIN EN ISO 1798	220	%	
Tear resistance	Based on DIN ISO 34-1	6.0	N/mm	
Fire behaviour	DIN 4102 DIN EN 13501	B2 E	[-] [-]	Normal flammability
Sliding friction	BSW-laboratory BSW-laboratory	0.7 0.8	[-] [-]	Steel (dry) Concrete (dry)
Compression hardness	Based on DIN EN ISO 3386-2	170	kPa	Compressive stress at 25 % deformation test specimen h = 25 mm
Rebound elasticity	Based on DIN EN ISO 8307	57	%	dependent on thickness, test specimen h = 25 mm
Force reduction	DIN EN 14904	68	%	dependent on thickness, test specimen h = 25 mm

Load Ranges



Load Deflection



Examination of deflection in accordance to DIN EN 826 between two stiff panels. Illustration based on the third loading. Velocity of loading and unloading 20 seconds. Tested at room temperature. Dimensions of test specimens 300 mm x 300 mm.

Vibration Isolation

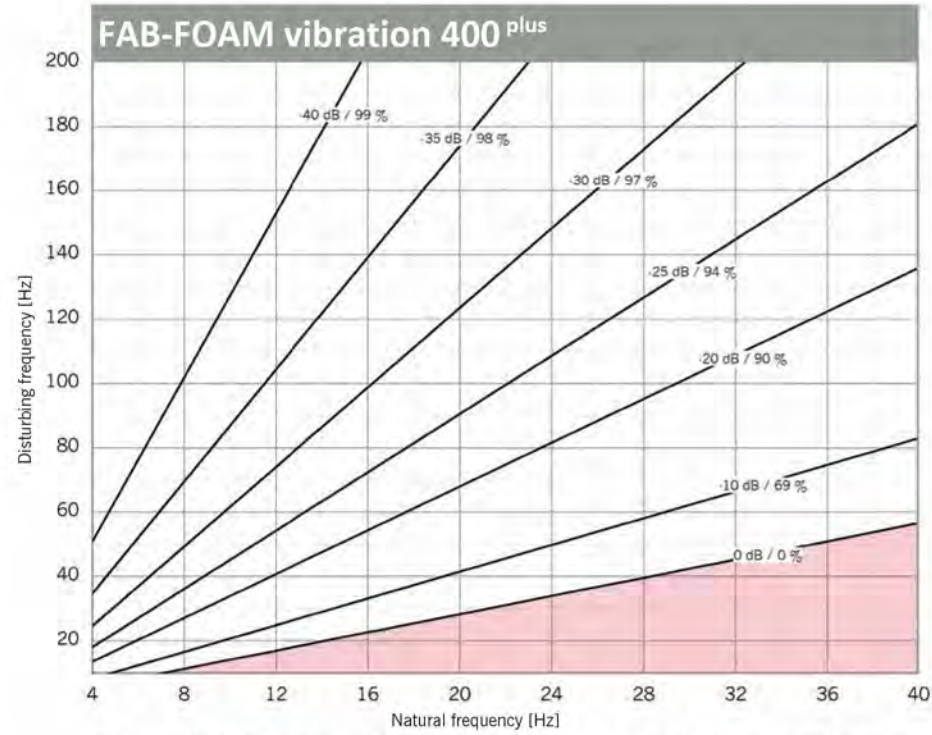
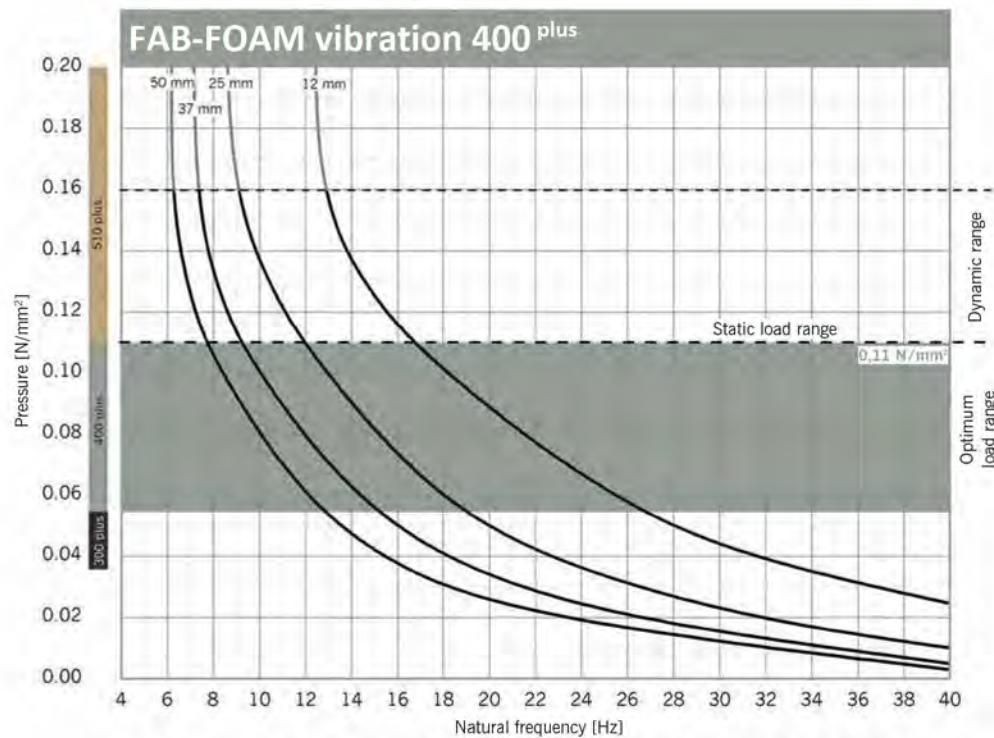


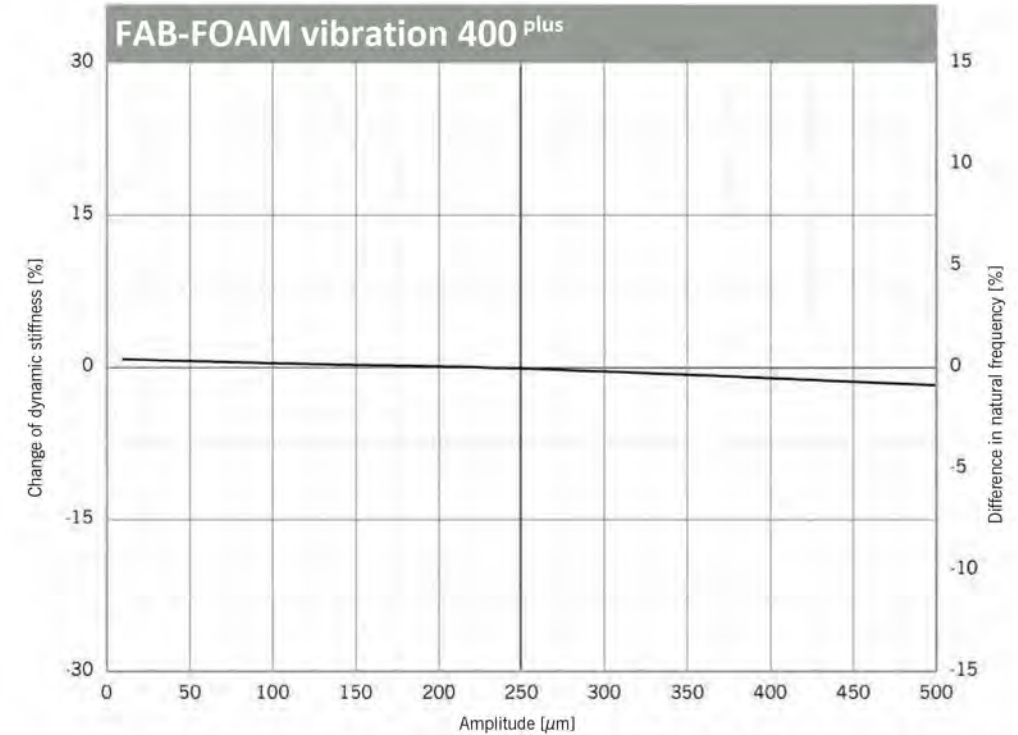
Illustration of the isolation efficiency of a single-degree-of-freedom system (SDOF system) on a rigid base with FAB-FOAM vibration 400 plus. Parameter: power transmission (insertion loss) in dB, isolation factor in %.

Natural Frequency

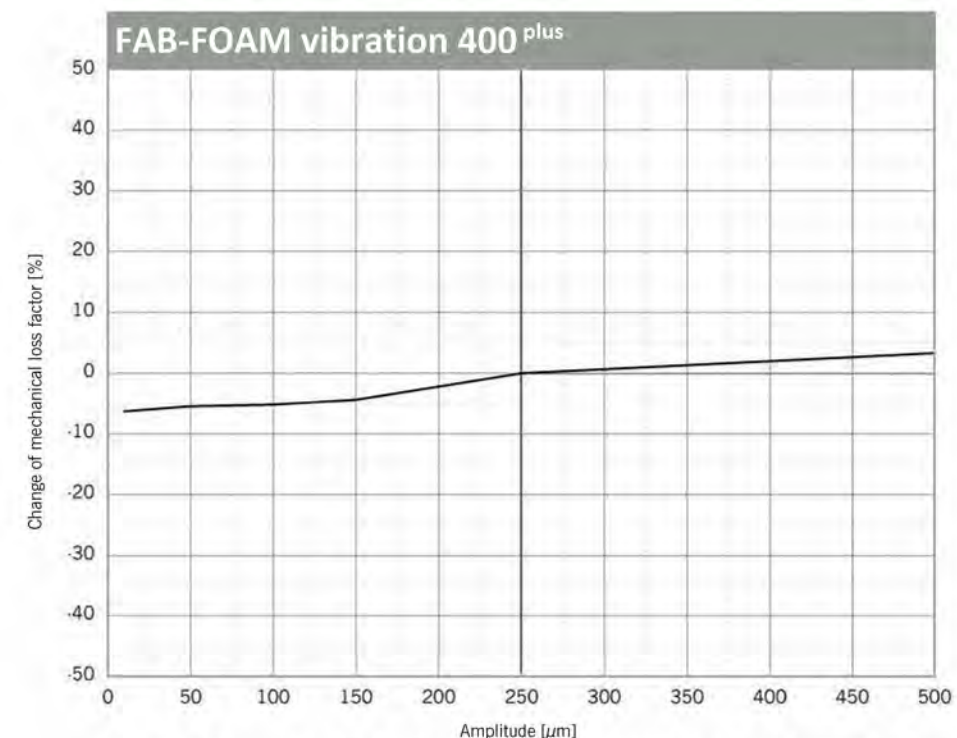


Natural frequency of a single-degree-of-freedom system (SDOF system) considering the dynamic stiffness of FAB-FOAM vibration 400 plus on a rigid base. Dimensions of test specimens 300 mm x 300 mm.

Influence of Amplitude



Change of the dynamic stiffness due to changes in amplitudes. Average for 5 Hz, 10 Hz and 40 Hz excitation. Sinusoidal excitation at a constant mean load of 0.11 N/mm², dimensions of the specimens 300 mm x 300 mm x 25 mm. Natural frequency of a single-degree-of-freedom system (SDOF system) on a rigid base.



Change of the mechanical loss factor due to changes in amplitudes. Sinusoidal excitation at a constant mean load of 0.11 N/mm², dimensions of the specimens 300 mm x 300 mm x 25 mm.

Modulus of Elasticity

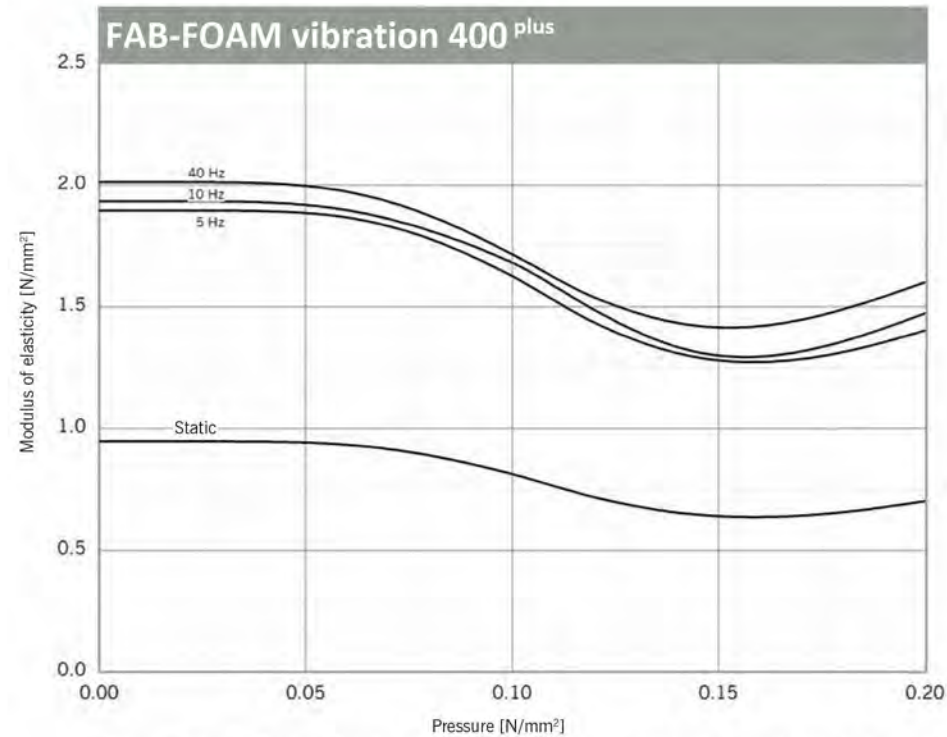


Illustration of the dynamic modulus of elasticity for sinusoidal excitation at a constant mean load and an amplitude of ± 0.25 mm. Dimensions of specimens 300 mm x 300 mm x 25 mm; static modulus of elasticity as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

Dynamic Stiffness

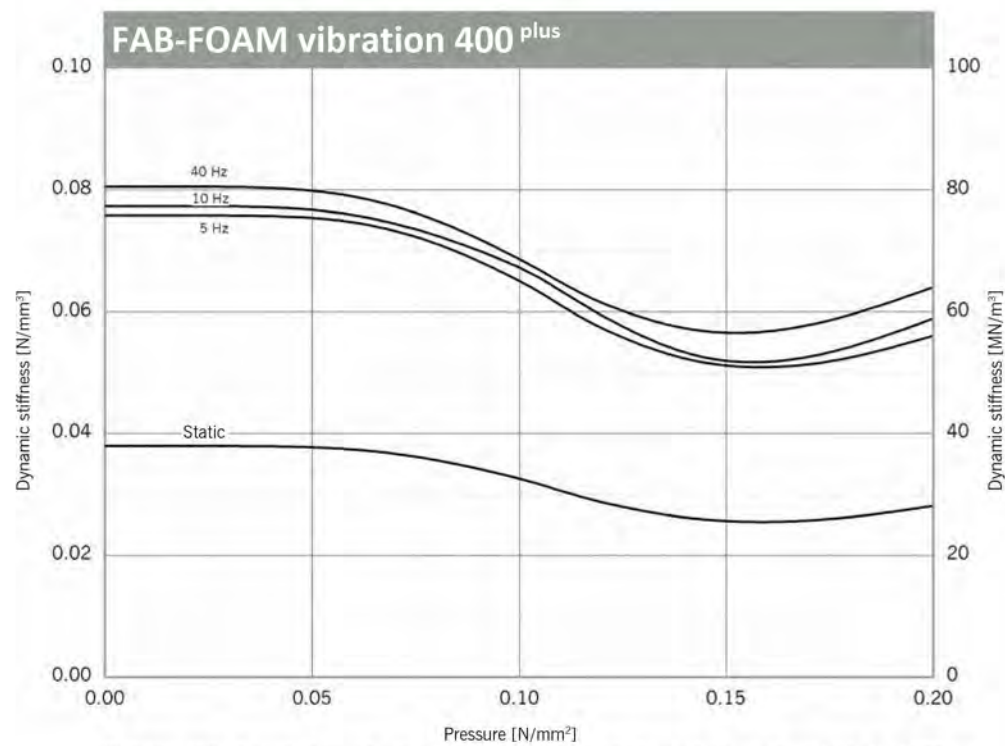
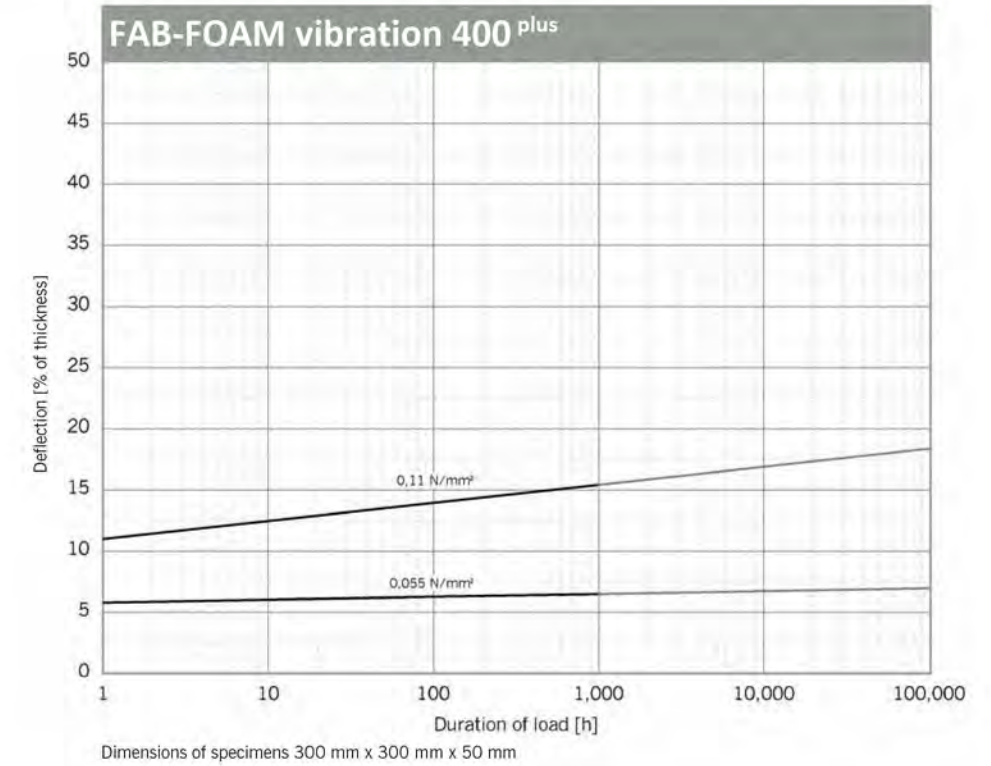


Illustration of the dynamic stiffness for sinusoidal excitation at a constant mean load and an amplitude of ± 0.25 mm. Dimensions of specimens 300 mm x 300 mm x 25 mm; static stiffness as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

Long-Term Creep Test



Dimensions of specimens 300 mm x 300 mm x 50 mm

Standard forms of delivery, ex warehouse

Plates

Thickness: 12 and 25 mm, special thicknesses on request
 Length: 1,500 mm, special lengths available
 Width: 1,000 mm

Stripping/smaller sizes

On request
 Die-cutting, water-jet cutting, self-adhesive versions possible

Continuous static load

0.22 N/mm²

Continuous and variable loads/operating load range

0 to 0.32 N/mm²

Peak loads (rare, short-term loads)

up to 4 N/mm²



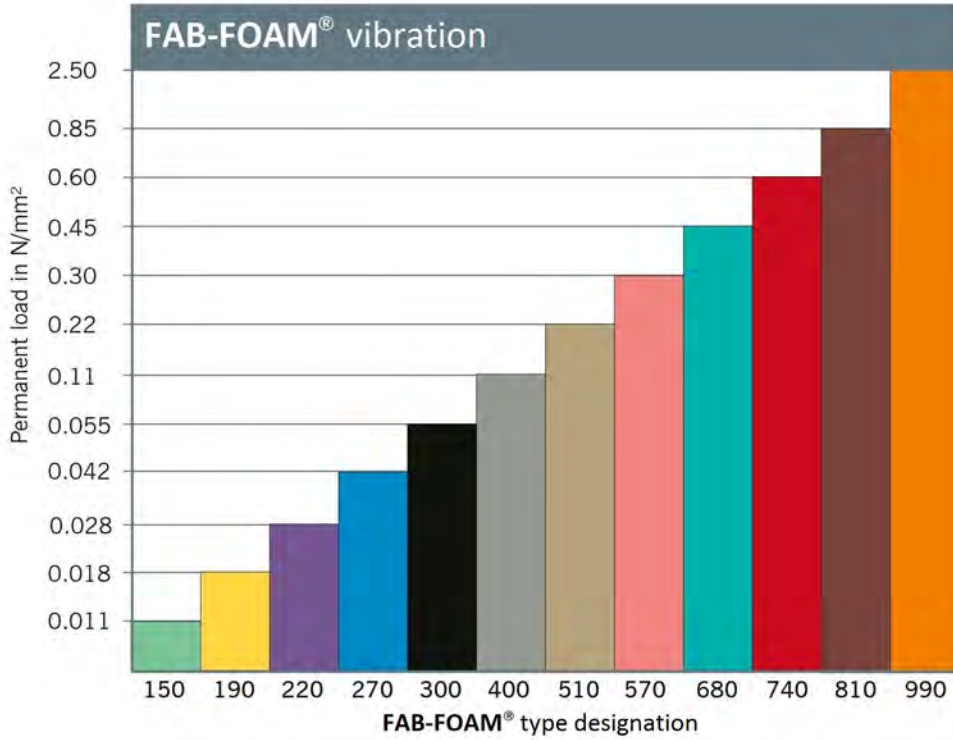
Colour: Beige

N/mm²

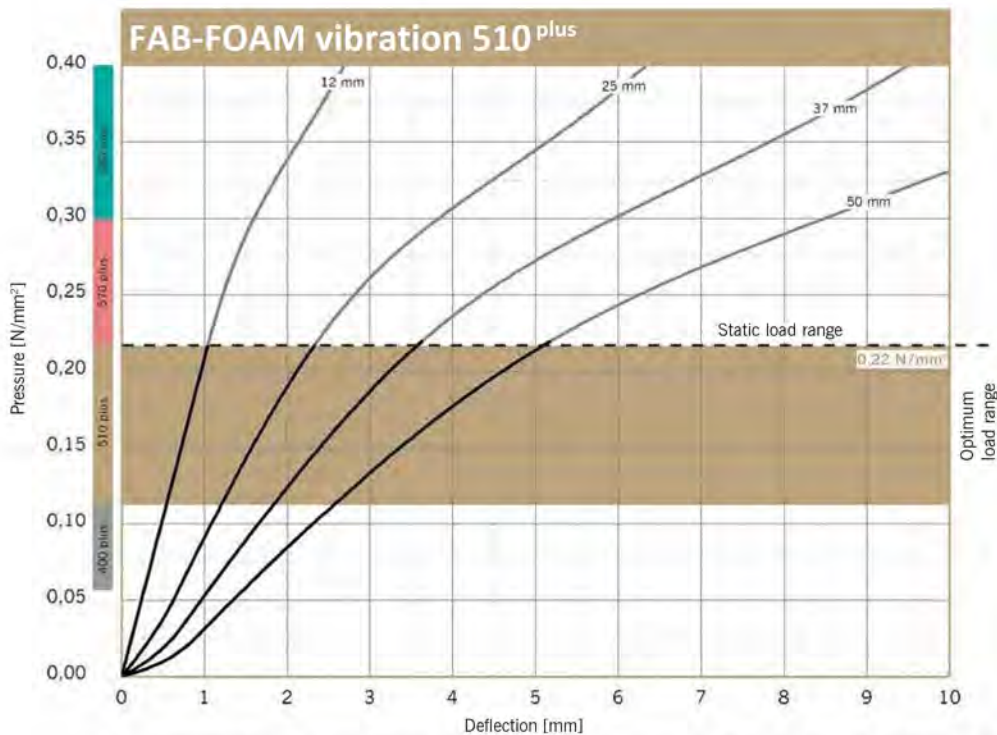


Static modulus of elasticity	Based on EN 826	1.1 – 1.7	N/mm ²	Tangential modulus, see figure "Modulus of elasticity"
Dynamic modulus of elasticity	Based on DIN 53513	2.2 - 3.7	N/mm ²	Depending on frequency, load and thickness, see figure "dynamic stiffness"
Mechanical loss factor	DIN 53513	0.15	[-]	Load-, amplitude- and frequency-dependent
Compression set	Based on DIN EN ISO 1856	4.2	%	Measured 30 minutes after decompression with 50% deformation / 23 °C after 72 hrs
Tensile strength	Based on DIN EN ISO 1798	2.4	N/mm ²	
Elongation at break	Based on DIN EN ISO 1798	240	%	
Tear resistance	Based on DIN ISO 34-1	9.3	N/mm	
Fire behaviour	DIN 4102 DIN EN 13501	B2 E	[-] [-]	Normal flammability
Sliding friction	BSW-laboratory BSW-laboratory	0.7 0.8	[-] [-]	Steel (dry) Concrete (dry)
Compression hardness	Based on DIN EN ISO 3386-2	330	kPa	Compressive stress at 25 % deformation test specimen h = 25 mm
Rebound elasticity	Based on DIN EN ISO 8307	60	%	dependent on thickness, test specimen h = 25 mm
Force reduction	DIN EN 14904	61	%	dependent on thickness, test specimen h = 25 mm

Load Ranges



Load Deflection



Examination of deflection in accordance to DIN EN 826 between two stiff panels. Illustration based on the third loading. Velocity of loading and unloading 20 seconds. Tested at room temperature. Dimensions of test specimens 300 mm x 300 mm.

Vibration Isolation

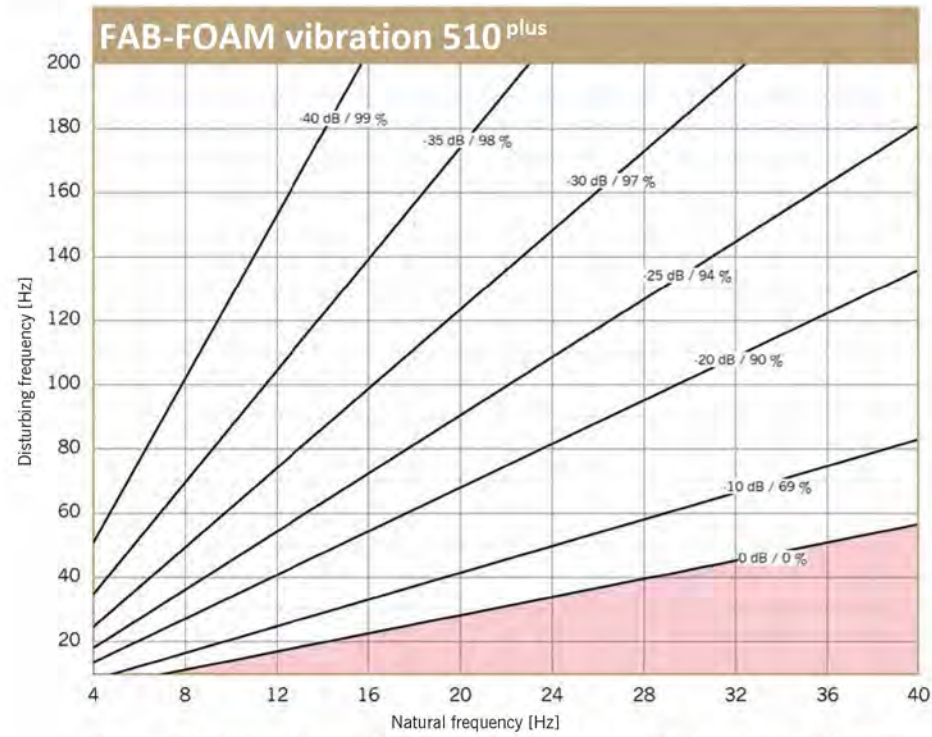
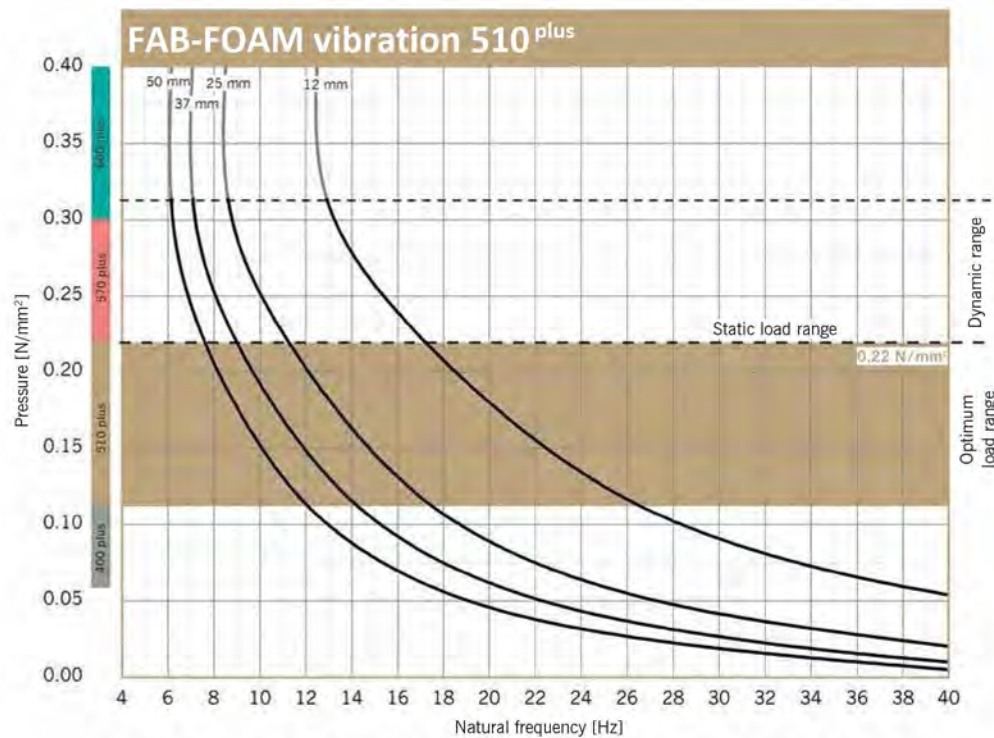


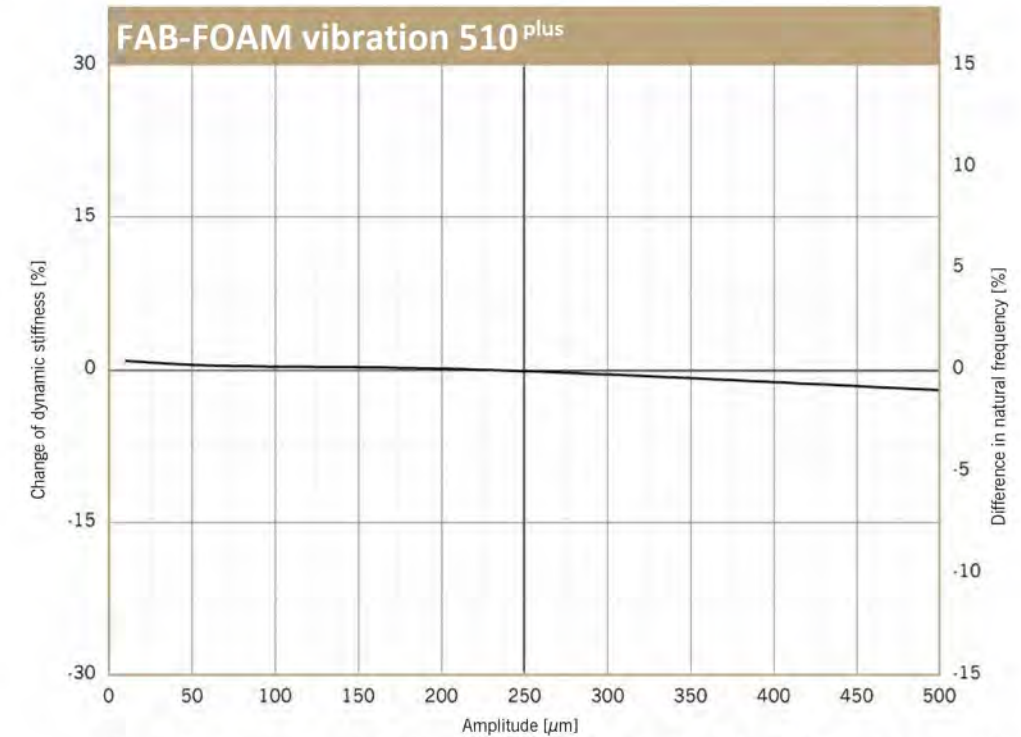
Illustration of the isolation efficiency of a single-degree-of-freedom system (SDOF system) on a rigid base with FAB-FOAM vibration 510 plus. Parameter: power transmission (insertion loss) in dB, isolation factor in %.

Natural Frequency

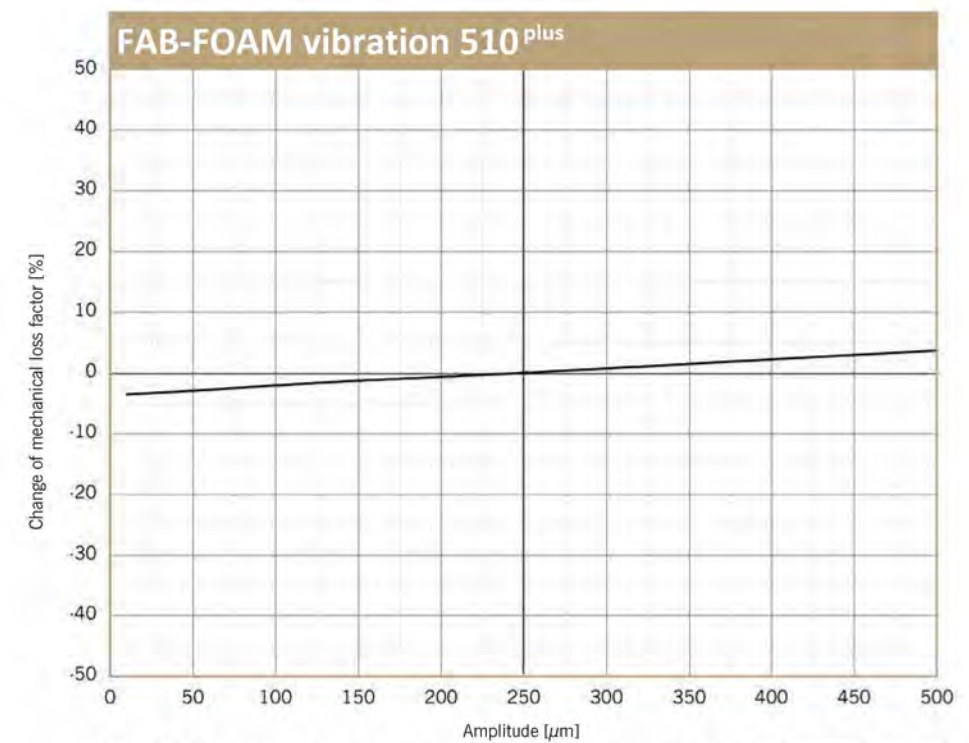


Natural frequency of a single-degree-of-freedom system (SDOF system) considering the dynamic stiffness of FAB-FOAM vibration 510 plus on a rigid base. Dimensions of test specimens 300 mm x 300 mm.

Influence of Amplitude



Change of the dynamic stiffness due to changes in amplitudes. Average for 5 Hz, 10 Hz and 40 Hz excitation. Sinusoidal excitation at a constant mean load of 0.22 N/mm², dimensions of the specimens 300 mm x 300 mm x 25 mm. Natural frequency of a single-degree-of-freedom system (SDOF system) on a rigid base.



Change of the mechanical loss factor due to changes in amplitudes. Sinusoidal excitation at a constant mean load of 0.22 N/mm², dimensions of the specimens 300 mm x 300 mm x 25 mm.



Modulus of Elasticity

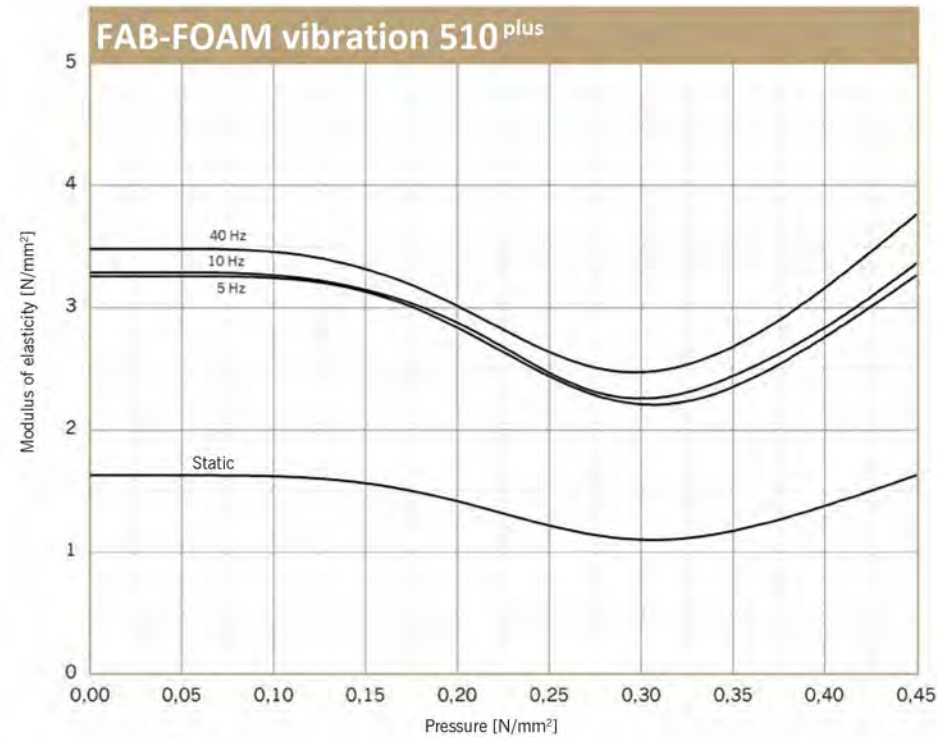


Illustration of the dynamic modulus of elasticity for sinusoidal excitation at a constant mean load and an amplitude of $\pm 0,25$ mm. Dimensions of specimens 300 mm x 300 mm x 25 mm; static modulus of elasticity as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

Dynamic Stiffness

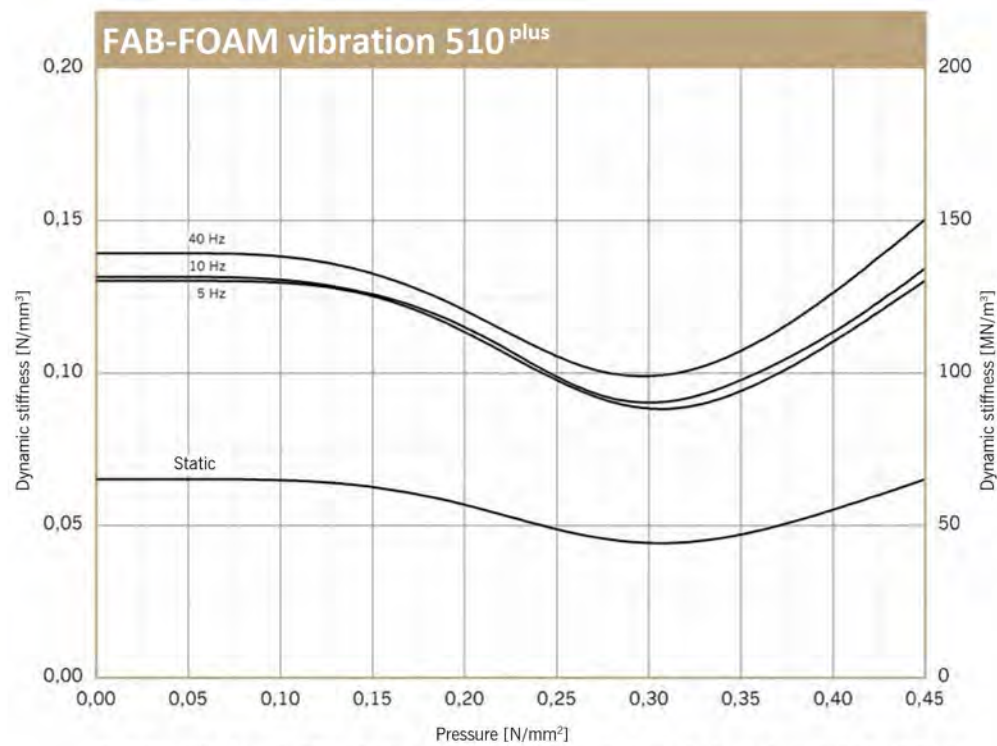
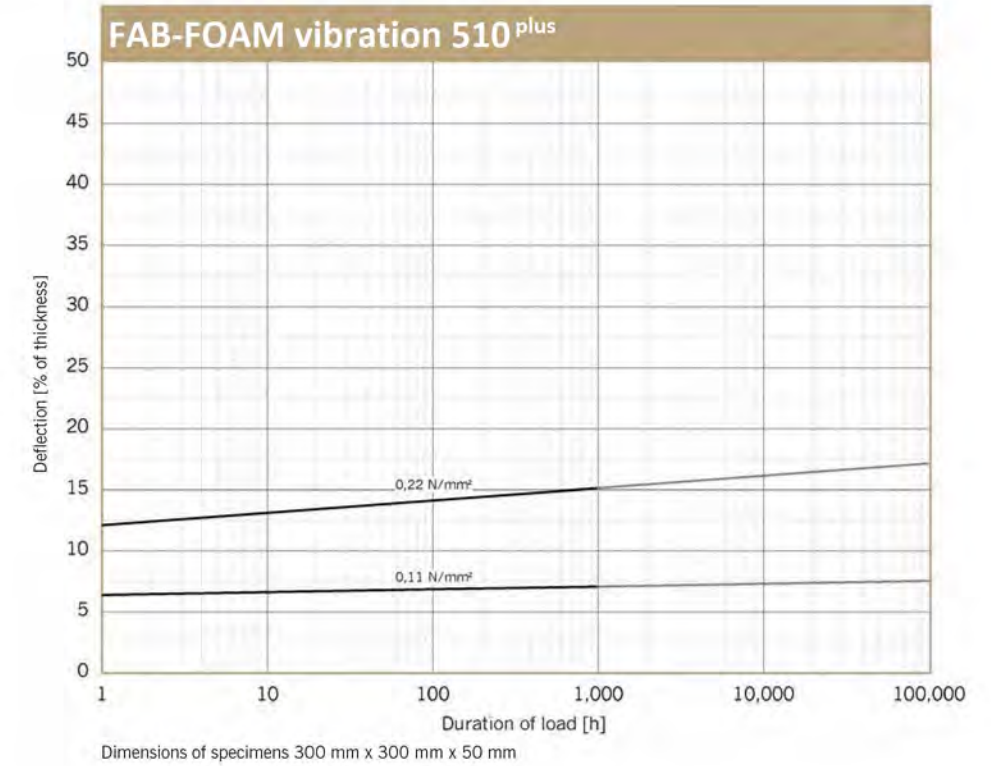


Illustration of the dynamic stiffness for sinusoidal excitation at a constant mean load and an amplitude of $\pm 0,25$ mm. Dimensions of specimens 300 mm x 300 mm x 25 mm; static stiffness as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

Long-Term Creep Test



Dimensions of specimens 300 mm x 300 mm x 50 mm

Standard forms of delivery, ex warehouse

Plates

Thickness: 12 and 25 mm, special thicknesses on request
 Length: 1,500 mm, special lengths available
 Width: 1,000 mm

Stripping/smaller sizes

On request
 Die-cutting, water-jet cutting, self-adhesive versions possible

Continuous static load

0.30 N/mm²

Continuous and variable loads/operating load range

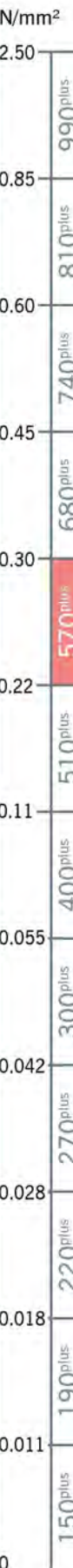
0 to 0.42 N/mm²

Peak loads (rare, short-term loads)

up to 4.5 N/mm²

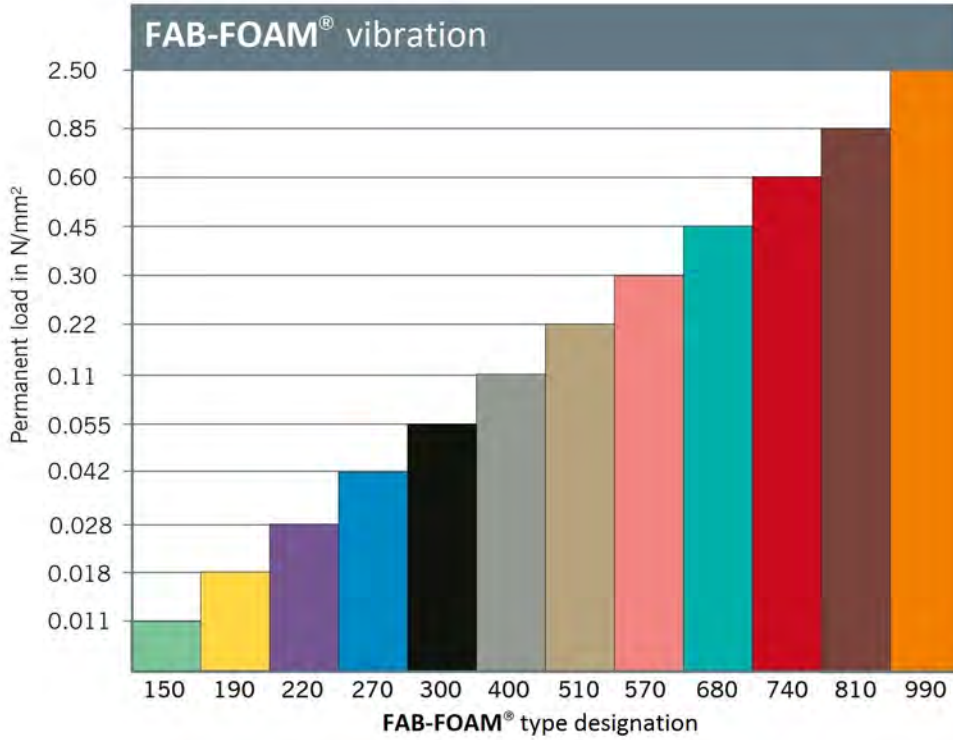


Colour: Rose

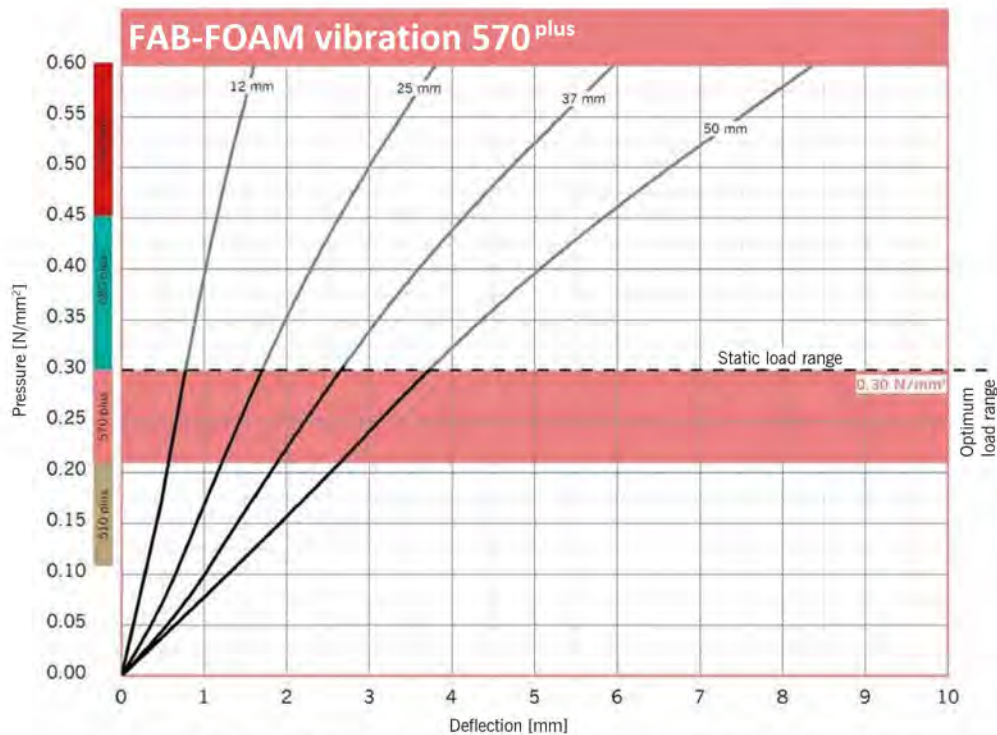


Static modulus of elasticity	Based on EN 826	2.6 – 2.7	N/mm ²	Tangential modulus, see figure "Modulus of elasticity"
Dynamic modulus of elasticity	Based on DIN 53513	5.1 – 6.3	N/mm ²	Depending on frequency, load and thickness, see figure "dynamic stiffness"
Mechanical loss factor	DIN 53513	0.14	[-]	Load-, amplitude- and frequency-dependent
Compression set	Based on DIN EN ISO 1856	4.4	%	Measured 30 minutes after decompression with 50% deformation / 23 °C after 72 hrs
Tensile strength	Based on DIN EN ISO 1798	2.9	N/mm ²	
Elongation at break	Based on DIN EN ISO 1798	210	%	
Tear resistance	Based on DIN ISO 34-1	14.1	N/mm	
Fire behaviour	DIN 4102 DIN EN 13501	B2 E	[-] [-]	Normal flammability
Sliding friction	BSW-laboratory BSW-laboratory	0.6 0.7	[-] [-]	Steel (dry) Concrete (dry)
Compression hardness	Based on DIN EN ISO 3386-2	620	kPa	Compressive stress at 25 % deformation test specimen h = 25 mm
Rebound elasticity	Based on DIN EN ISO 8307	58	%	dependent on thickness, test specimen h = 25 mm
Force reduction	DIN EN 14904	50	%	dependent on thickness, test specimen h = 25 mm

Load Ranges



Load Deflection



Examination of deflection in accordance to DIN EN 826 between two stiff panels. Illustration based on the third loading. Velocity of loading and unloading 20 seconds. Tested at room temperature. Dimensions of test specimens 300 mm x 300 mm.

Vibration Isolation

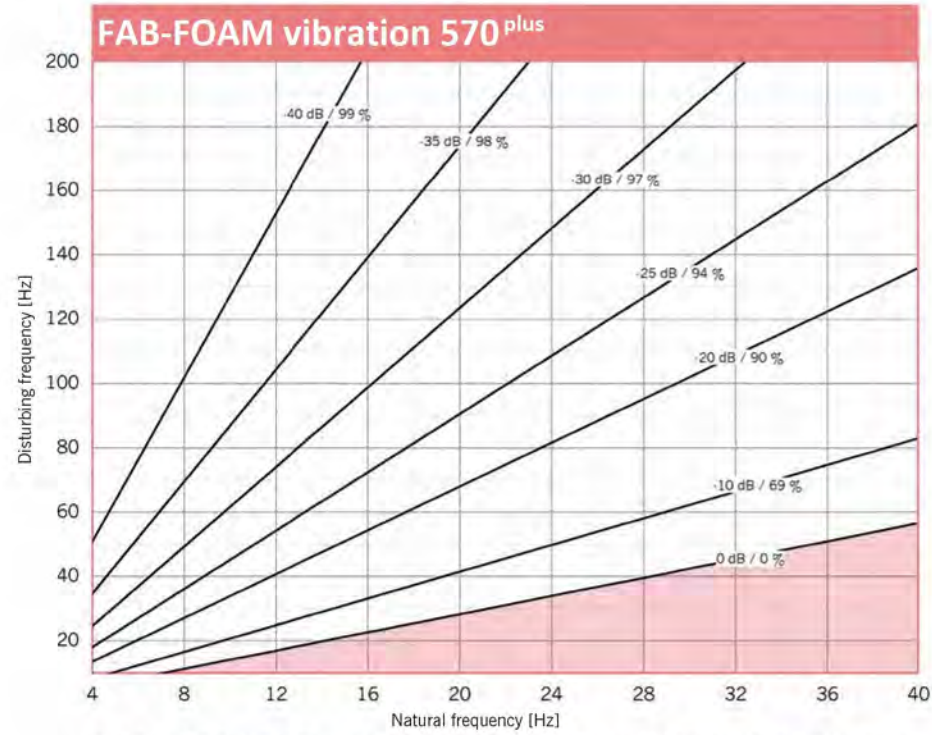
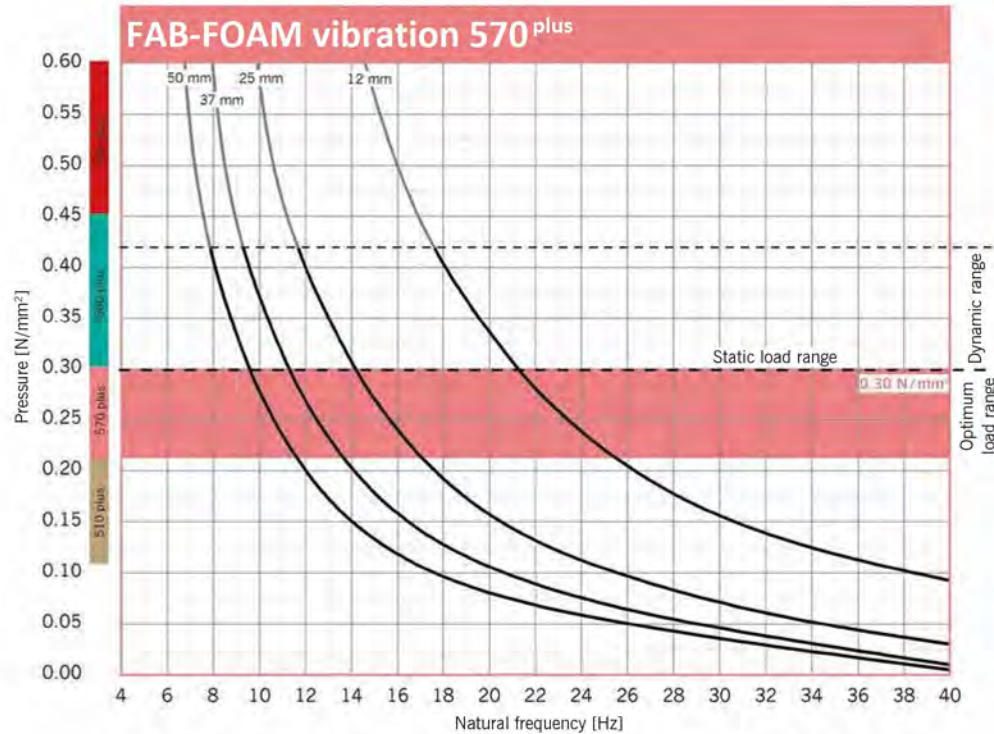


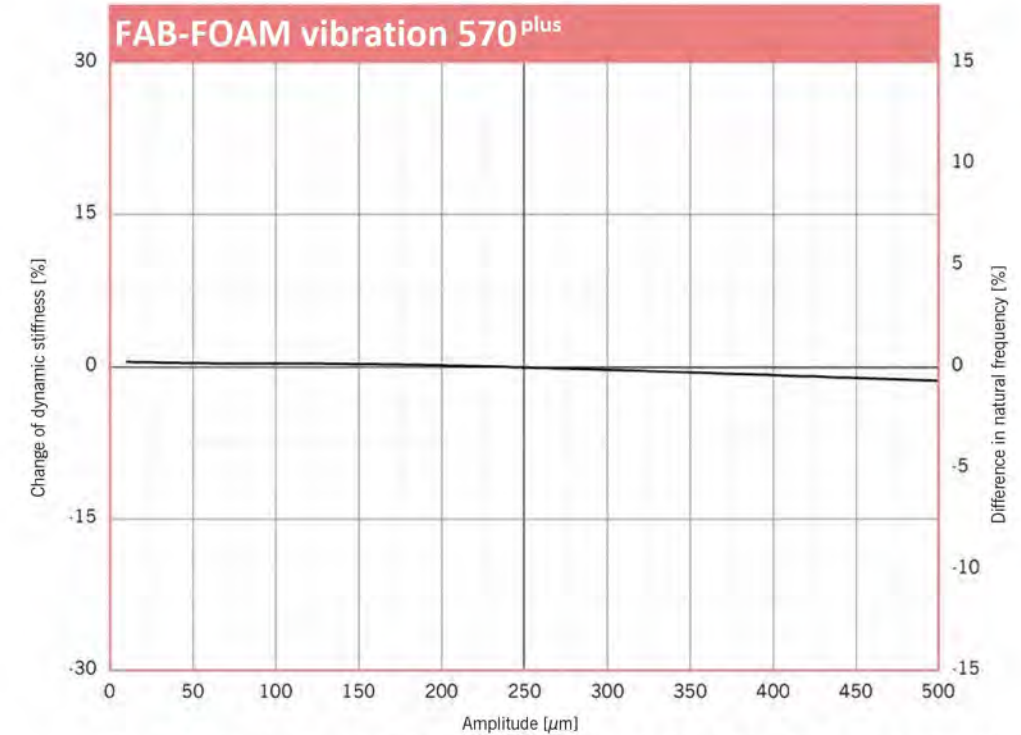
Illustration of the isolation efficiency of a single-degree-of-freedom system (SDOF system) on a rigid base with FAB-FOAM vibration 570 plus. Parameter: power transmission (insertion loss) in dB, isolation factor in %.

Natural Frequency

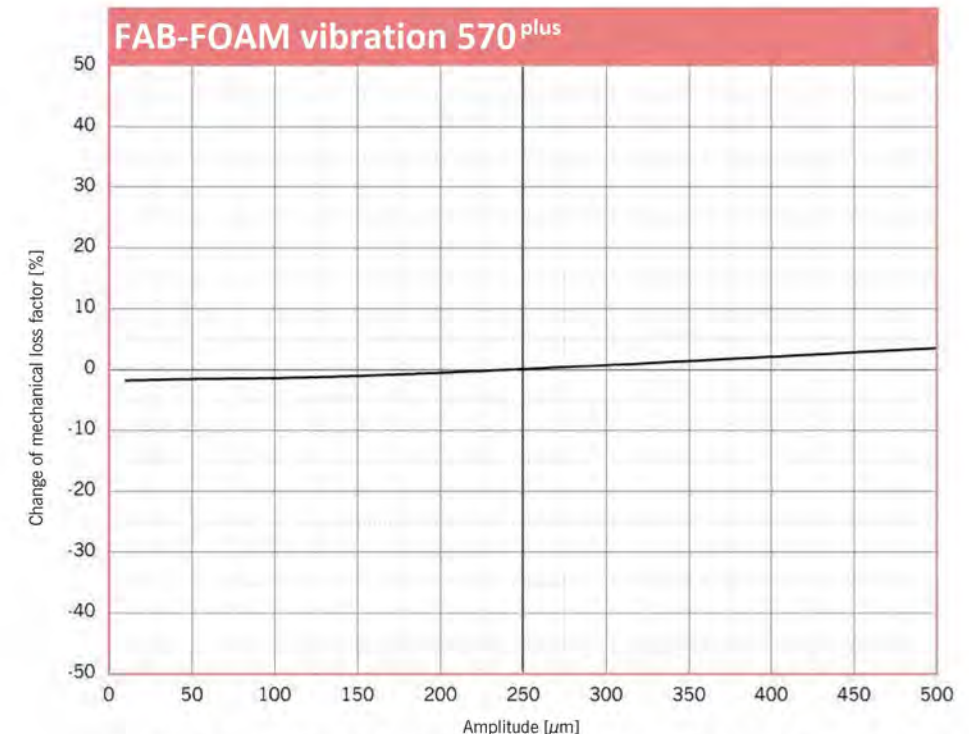


Natural frequency of a single-degree-of-freedom system (SDOF system) considering the dynamic stiffness of FAB-FOAM vibration 570 plus on a rigid base. Dimensions of test specimens 300 mm x 300 mm.

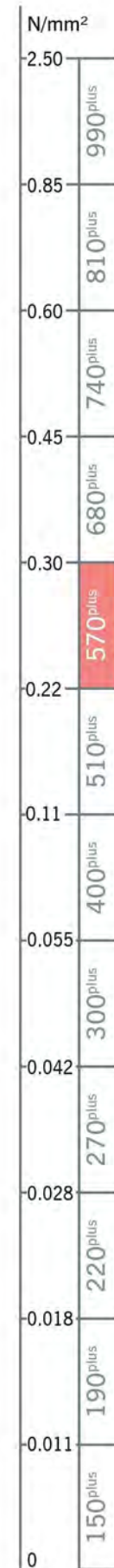
Influence of Amplitude



Change of the dynamic stiffness due to changes in amplitudes. Average for 5 Hz, 10 Hz and 40 Hz excitation. Sinusoidal excitation at a constant mean load of 0.30 N/mm², dimensions of the specimens 300 mm x 300 mm x 25 mm. Natural frequency of a single-degree-of-freedom system (SDOF system) on a rigid base.



Change of the mechanical loss factor due to changes in amplitudes. Sinusoidal excitation at a constant mean load of 0.30 N/mm², dimensions of the specimens 300 mm x 300 mm x 25 mm.



Modulus of Elasticity

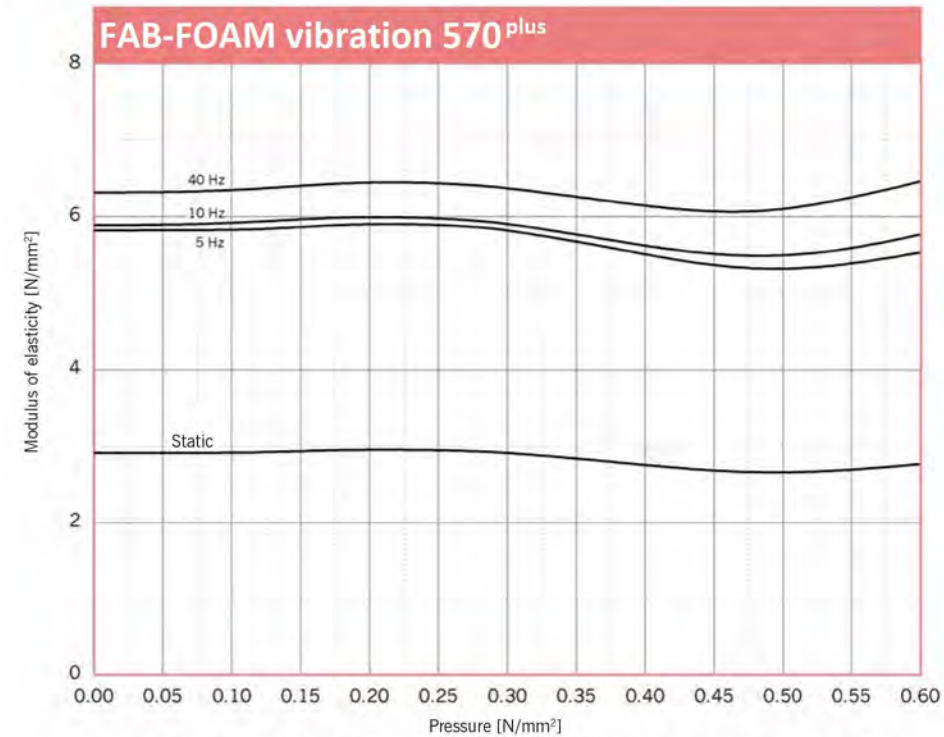


Illustration of the dynamic modulus of elasticity for sinusoidal excitation at a constant mean load and an amplitude of ± 0.25 mm. Dimensions of specimens 300 mm x 300 mm x 25 mm; static modulus of elasticity as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

Dynamic Stiffness

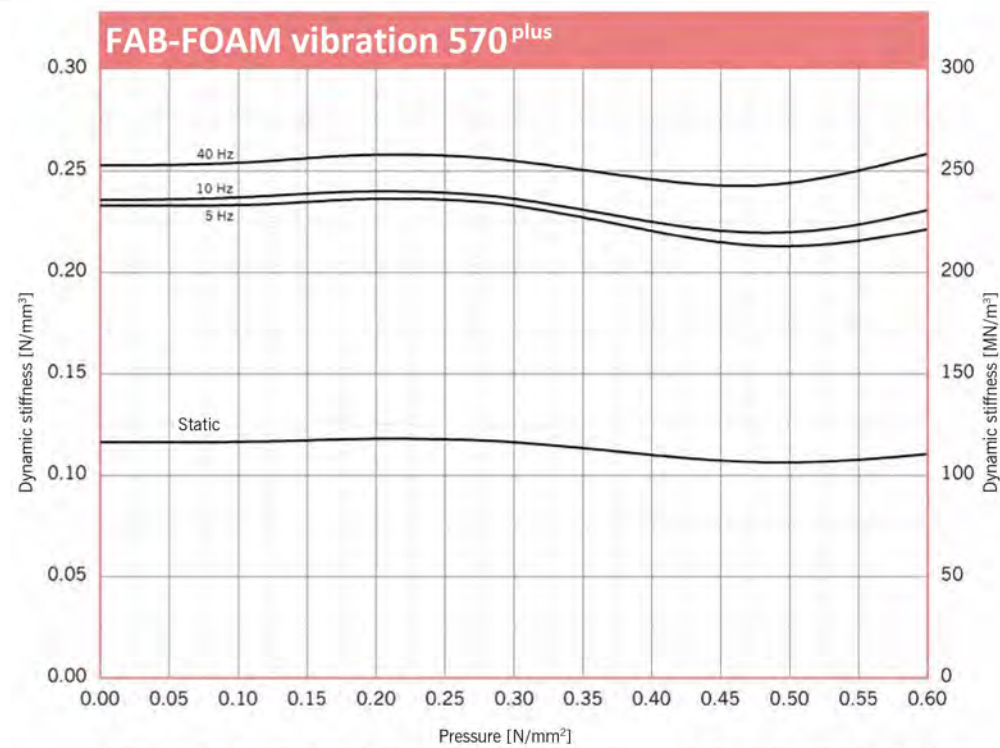
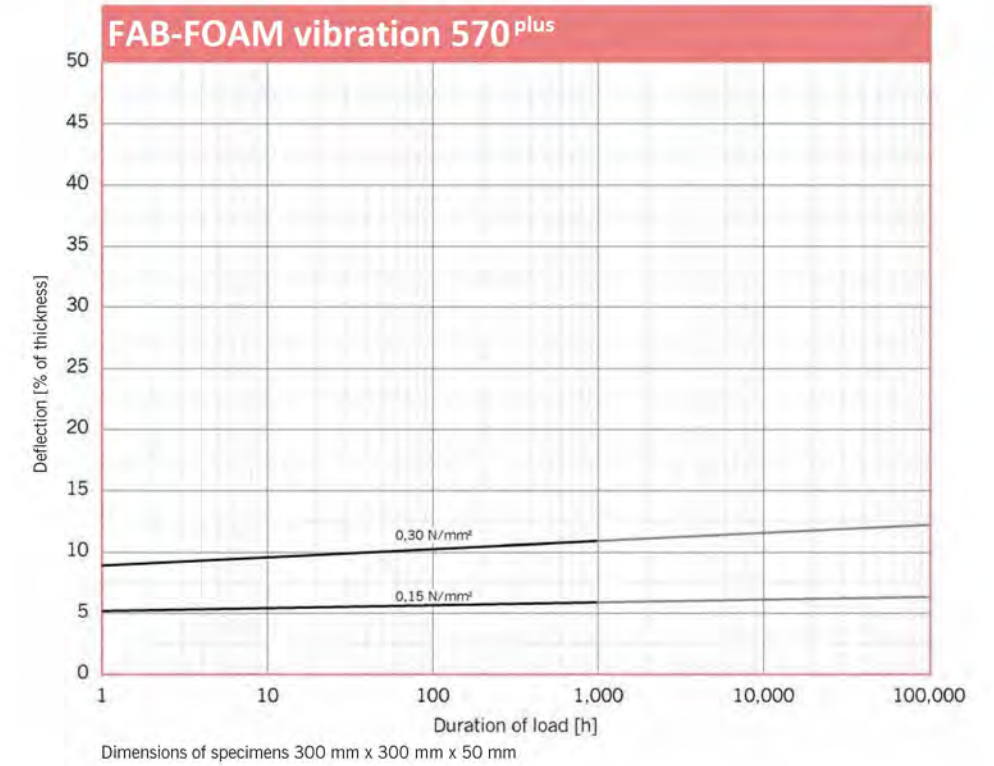


Illustration of the dynamic stiffness for sinusoidal excitation at a constant mean load and an amplitude of ± 0.25 mm. Dimensions of specimens 300 mm x 300 mm x 25 mm; static stiffness as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

Long-Term Creep Test



Dimensions of specimens 300 mm x 300 mm x 50 mm

Standard forms of delivery, ex warehouse

Plates

Thickness: 12 and 25 mm, special thicknesses on request
 Length: 1,500 mm, special lengths available
 Width: 1,000 mm

Stripping/smaller sizes

On request
 Die-cutting, water-jet cutting, self-adhesive versions possible

Continuous static load

0.45 N/mm²

Continuous and variable loads/operating load range

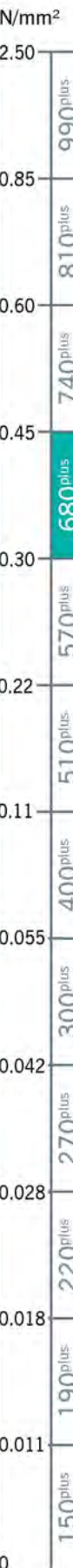
0 to 0.62 N/mm²

Peak loads (rare, short-term loads)

up to 5 N/mm²

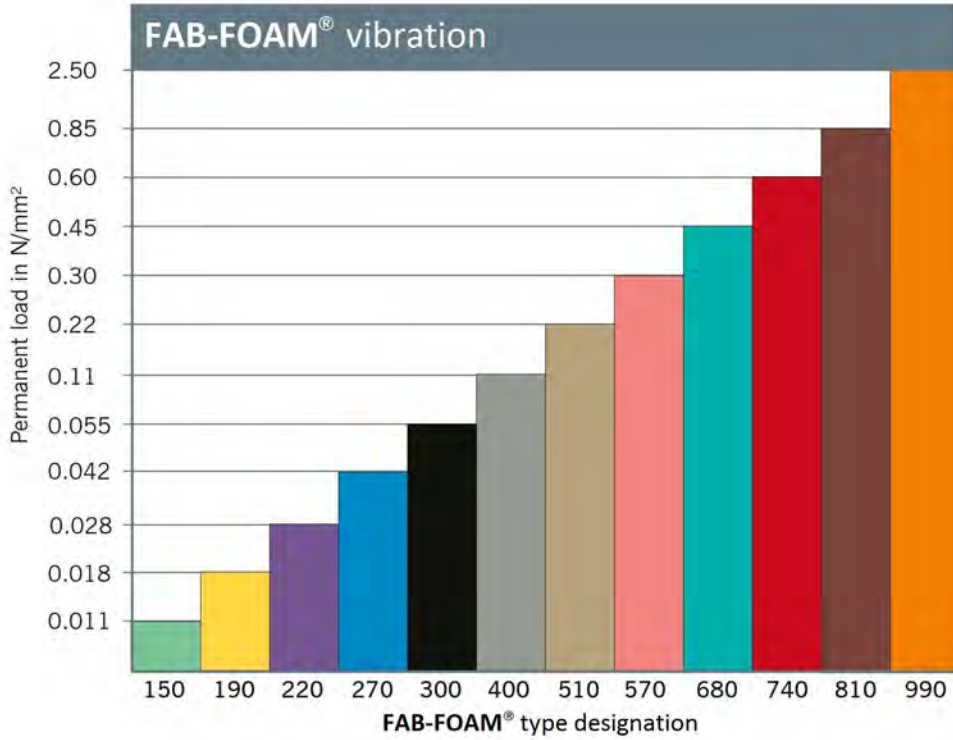


Colour: Turquoise

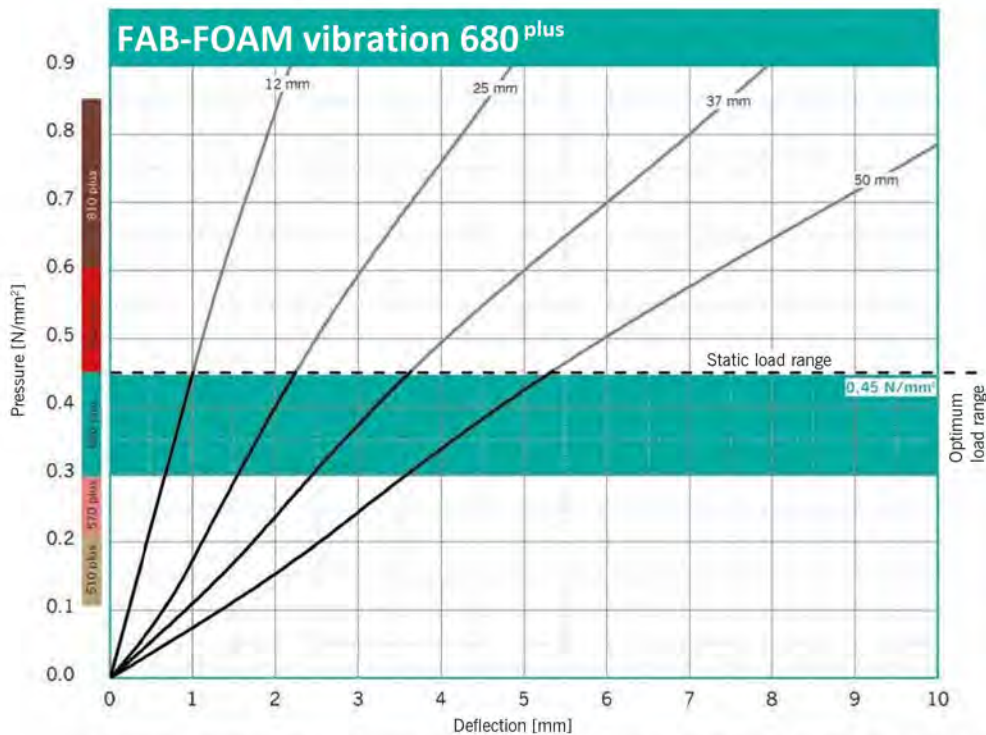


Static modulus of elasticity	Based on EN 826	2.0 - 2.9	N/mm ²	Tangential modulus, see figure "Modulus of elasticity"
Dynamic modulus of elasticity	Based on DIN 53513	6.8 - 10.0	N/mm ²	Depending on frequency, load and thickness, see figure "dynamic stiffness"
Mechanical loss factor	DIN 53513	0.12	[-]	Load-, amplitude- and frequency-dependent
Compression set	Based on DIN EN ISO 1856	6.2	%	Measured 30 minutes after decompression with 50% deformation / 23 °C after 72 hrs
Tensile strength	Based on DIN EN ISO 1798	3.6	N/mm ²	
Elongation at break	Based on DIN EN ISO 1798	230	%	
Tear resistance	Based on DIN ISO 34-1	18.5	N/mm	
Fire behaviour	DIN 4102 DIN EN 13501	B2 E	[-] [-]	Normal flammability
Sliding friction	BSW-laboratory BSW-laboratory	0.6 0.7	[-] [-]	Steel (dry) Concrete (dry)
Compression hardness	Based on DIN EN ISO 3386-2	840	kPa	Compressive stress at 25 % deformation test specimen h = 25 mm
Rebound elasticity	Based on DIN EN ISO 8307	58	%	dependent on thickness, test specimen h = 25 mm
Force reduction	DIN EN 14904	44	%	dependent on thickness, test specimen h = 25 mm

Load Ranges



Load Deflection



Examination of deflection in accordance to DIN EN 826 between two stiff panels. Illustration based on the third loading. Velocity of loading and unloading 20 seconds. Tested at room temperature. Dimensions of test specimens 300 mm x 300 mm.

Vibration Isolation

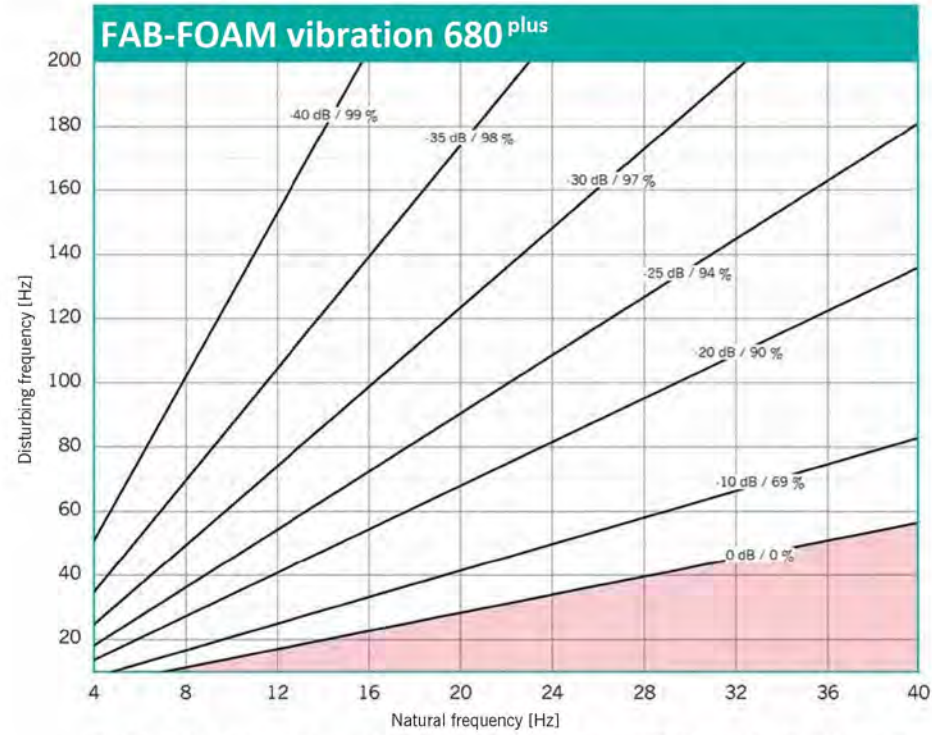
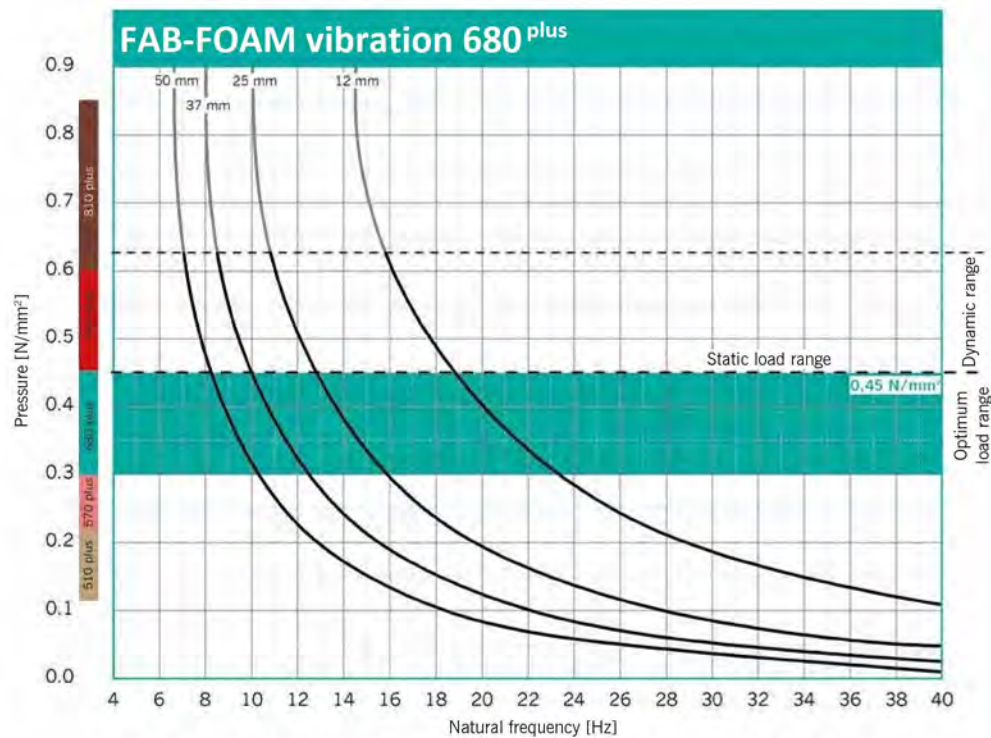


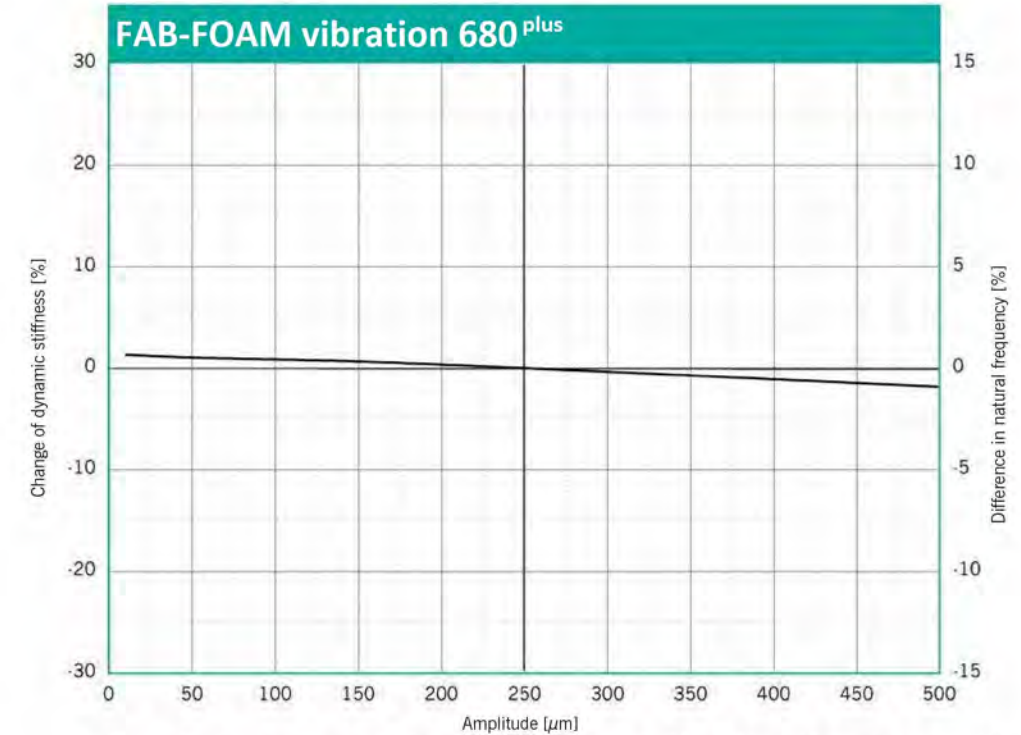
Illustration of the isolation efficiency of a single-degree-of-freedom system (SDOF system) on a rigid base with FAB-FOAM vibration 680 plus. Parameter: power transmission (insertion loss) in dB, isolation factor in %.

Natural Frequency

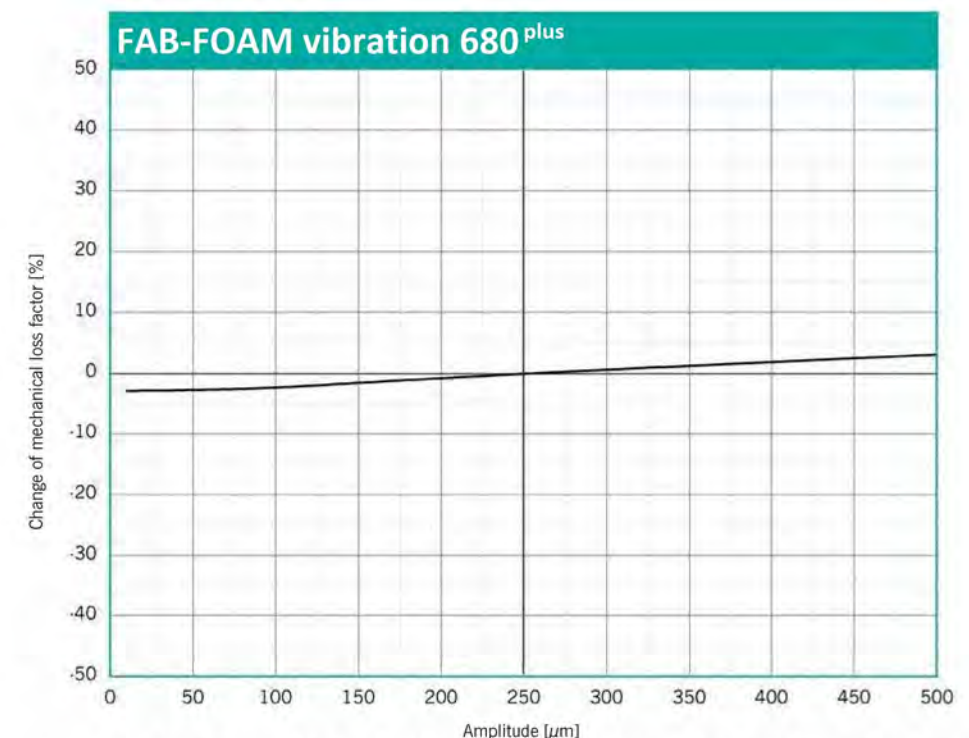


Natural frequency of a single-degree-of-freedom system (SDOF system) considering the dynamic stiffness of FAB-FOAM vibration 680 plus on a rigid base. Dimensions of test specimens 300 mm x 300 mm.

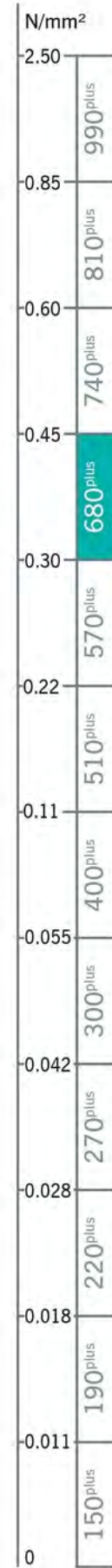
Influence of Amplitude



Change of the dynamic stiffness due to changes in amplitudes. Average for 5 Hz, 10 Hz and 40 Hz excitation. Sinusoidal excitation at a constant mean load of 0.45 N/mm², dimensions of the specimens 300 mm x 300 mm x 25 mm. Natural frequency of a single-degree-of-freedom system (SDOF system) on a rigid base.



Change of the mechanical loss factor due to changes in amplitudes. Sinusoidal excitation at a constant mean load of 0.45 N/mm², dimensions of the specimens 300 mm x 300 mm x 25 mm.



Modulus of Elasticity

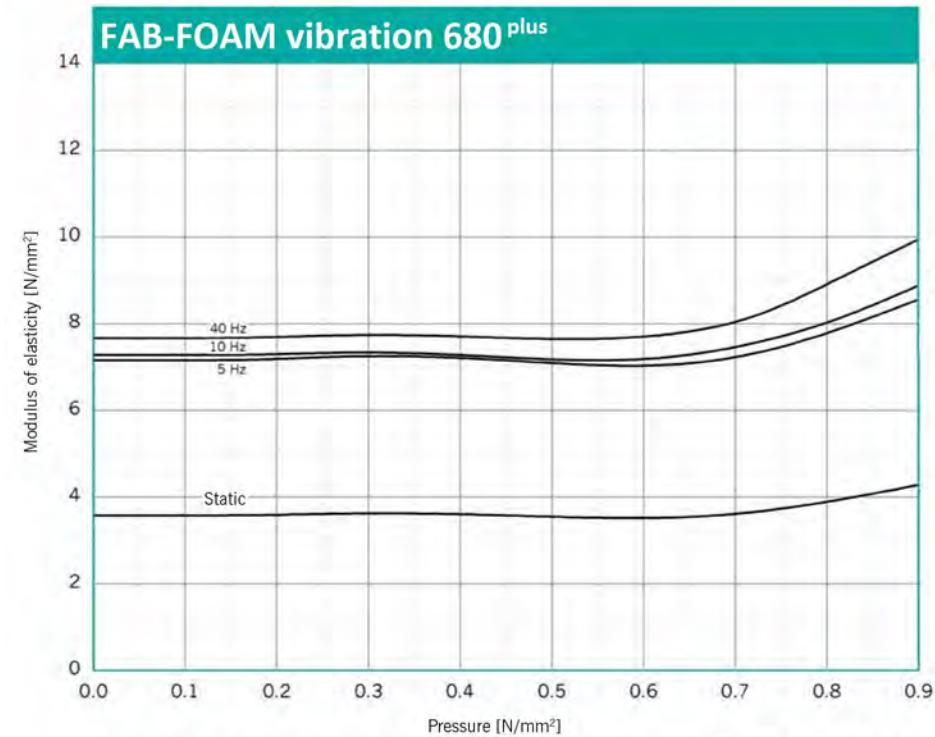


Illustration of the dynamic modulus of elasticity for sinusoidal excitation at a constant mean load and an amplitude of ± 0.25 mm. Dimensions of specimens 300 mm x 300 mm x 25 mm; static modulus of elasticity as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

Dynamic Stiffness

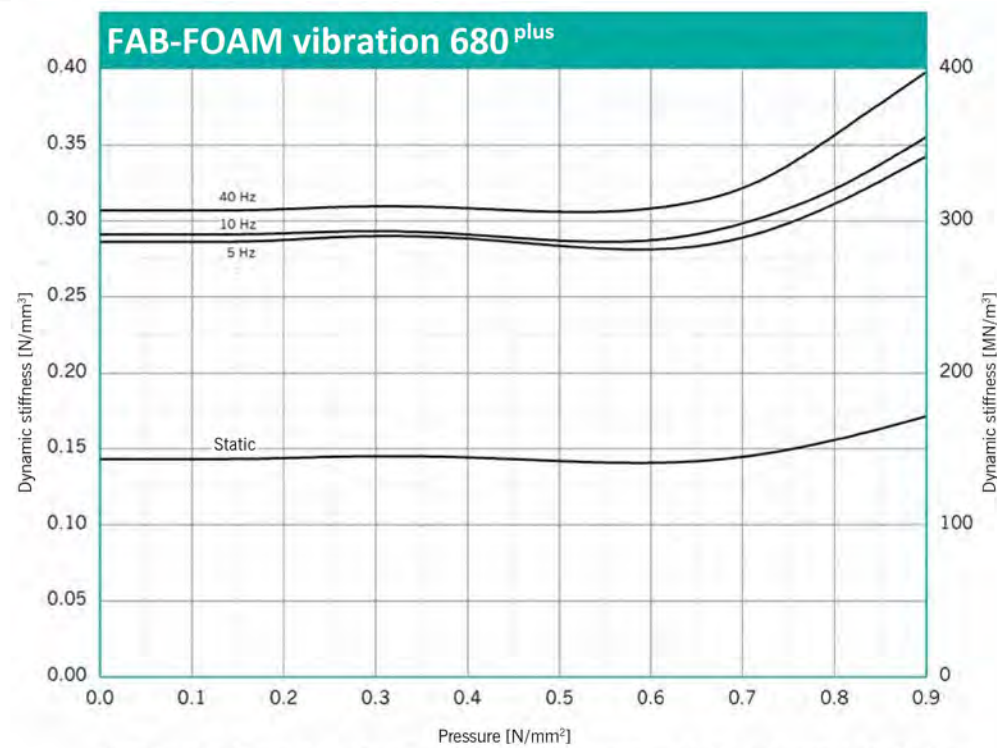
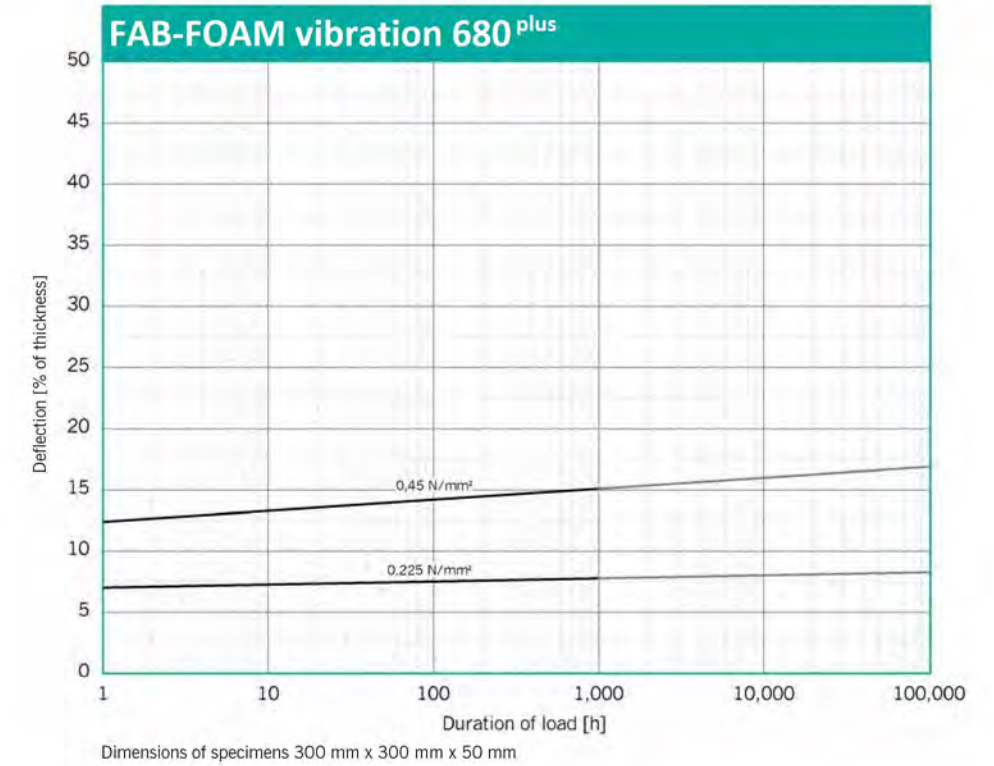


Illustration of the dynamic stiffness for sinusoidal excitation at a constant mean load and an amplitude of ± 0.25 mm. Dimensions of specimens 300 mm x 300 mm x 25 mm; static stiffness as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

Long-Term Creep Test



Dimensions of specimens 300 mm x 300 mm x 50 mm

Standard forms of delivery, ex warehouse

Plates

Thickness: 12 and 25 mm, special thicknesses on request
 Length: 1,500 mm, special lengths available
 Width: 1,000 mm

Stripping/smaller sizes

On request
 Die-cutting, water-jet cutting, self-adhesive versions possible

Continuous static load

0.60 N/mm²

Continuous and variable loads/operating load range

0 to 0.85 N/mm²

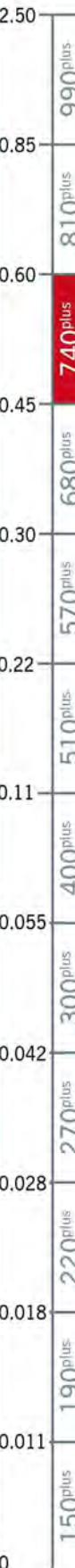
Peak loads (rare, short-term loads)

up to 6 N/mm²



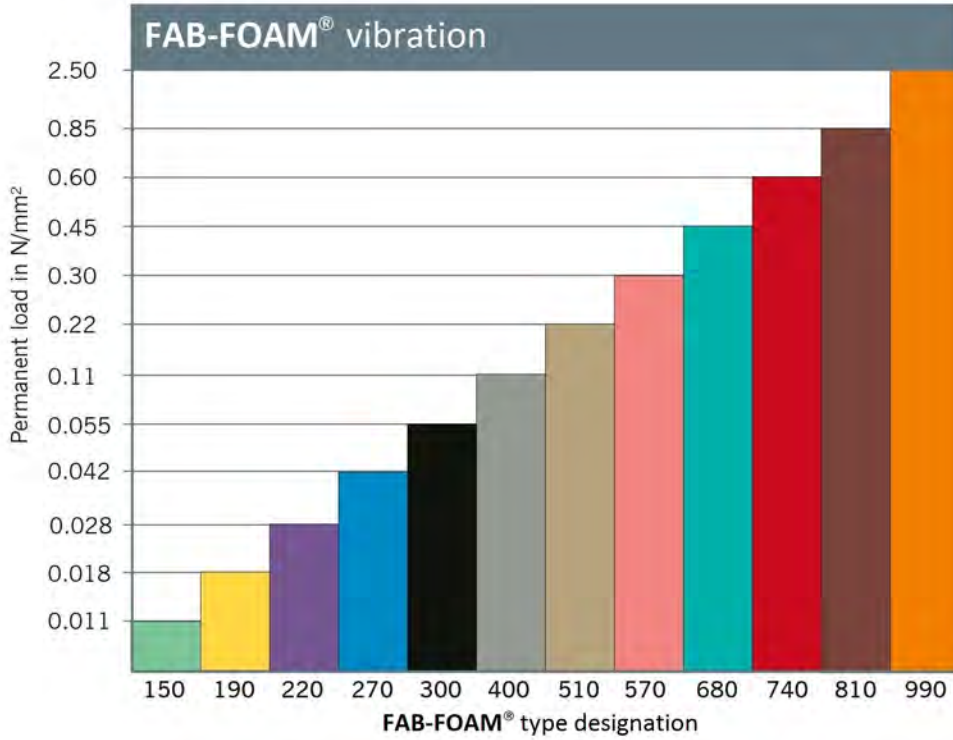
Colour: Red

N/mm²

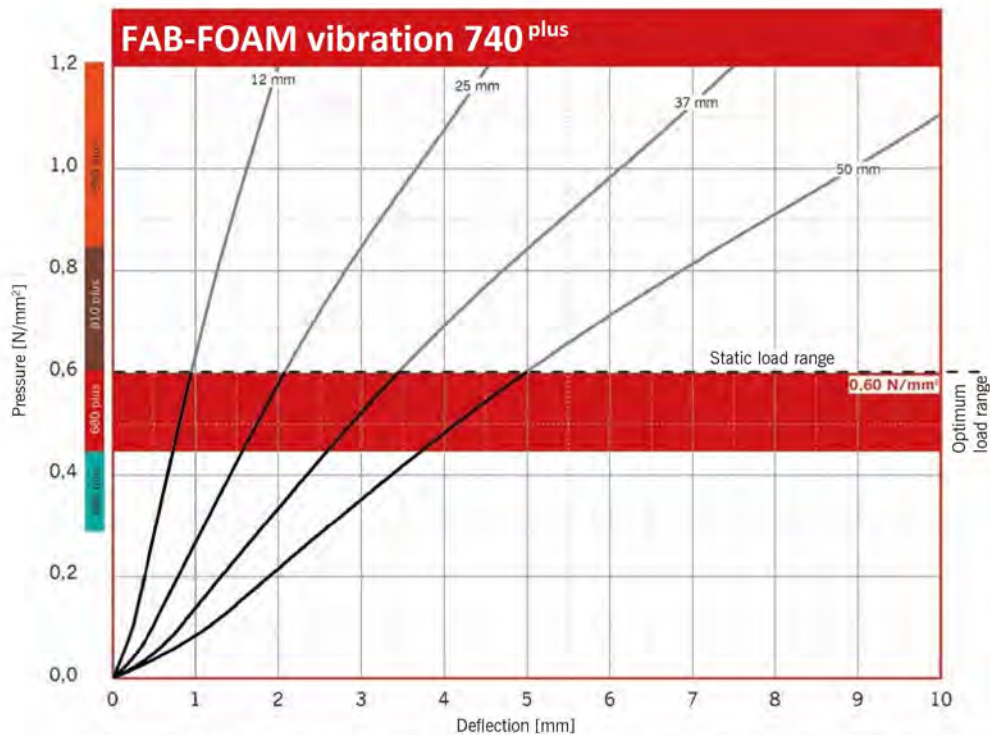


Static modulus of elasticity	Based on EN 826	4.3 - 5.9	N/mm ²	Tangential modulus, see figure "Modulus of elasticity"
Dynamic modulus of elasticity	Based on DIN 53513	7.9 - 13.0	N/mm ²	Depending on frequency, load and thickness, see figure "dynamic stiffness"
Mechanical loss factor	DIN 53513	0.11	[-]	Load-, amplitude- and frequency-dependent
Compression set	Based on DIN EN ISO 1856	4.8	%	Measured 30 minutes after decompression with 50% deformation / 23 °C after 72 hrs
Tensile strength	Based on DIN EN ISO 1798	4.0	N/mm ²	
Elongation at break	Based on DIN EN ISO 1798	210	%	
Tear resistance	Based on DIN ISO 34-1	19.0	N/mm	
Fire behaviour	DIN 4102 DIN EN 13501	B2 E	[-] [-]	Normal flammability
Sliding friction	BSW-laboratory BSW-laboratory	0.6 0.7	[-] [-]	Steel (dry) Concrete (dry)
Compression hardness	Based on DIN EN ISO 3386-2	1050	kPa	Compressive stress at 25 % deformation test specimen h = 25 mm
Rebound elasticity	Based on DIN EN ISO 8307	59	%	dependent on thickness, test specimen h = 25 mm
Force reduction	DIN EN 14904	39	%	dependent on thickness, test specimen h = 25 mm

Load Ranges



Load Deflection



Examination of deflection in accordance to DIN EN 826 between two stiff panels. Illustration based on the third loading. Velocity of loading and unloading 20 seconds. Tested at room temperature. Dimensions of test specimens 250 mm x 250 mm.

Vibration Isolation

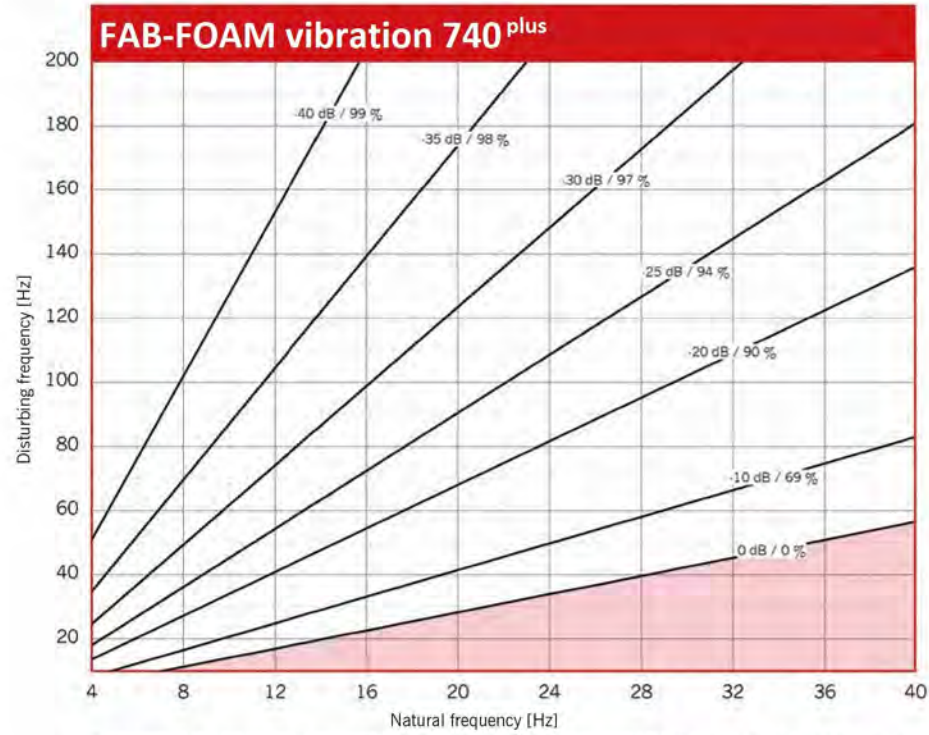
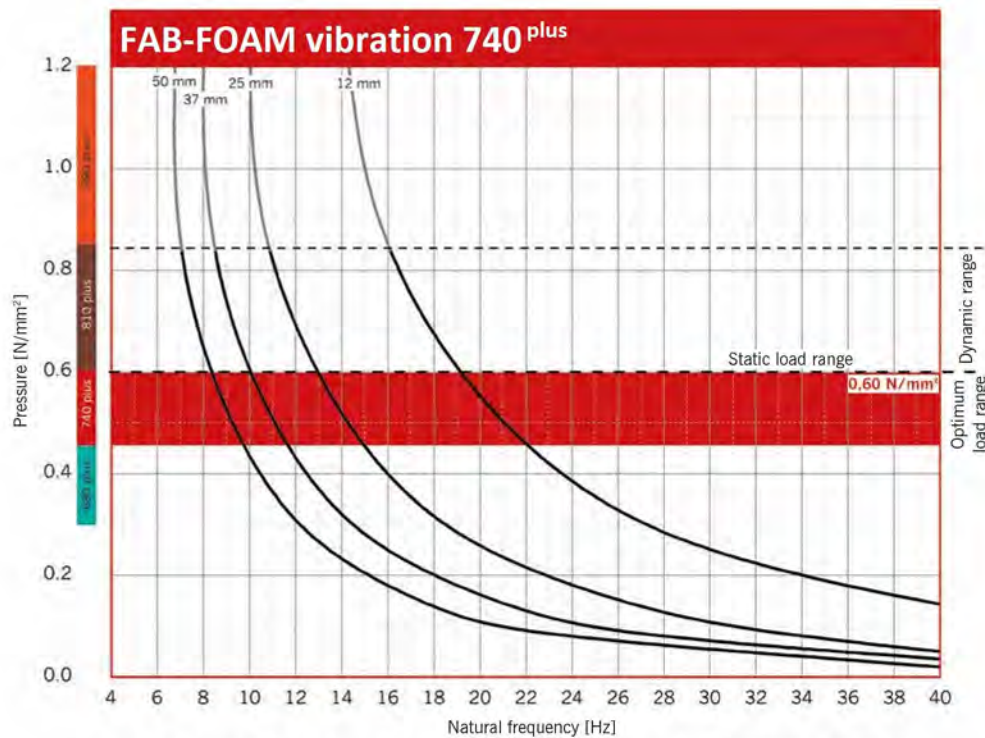
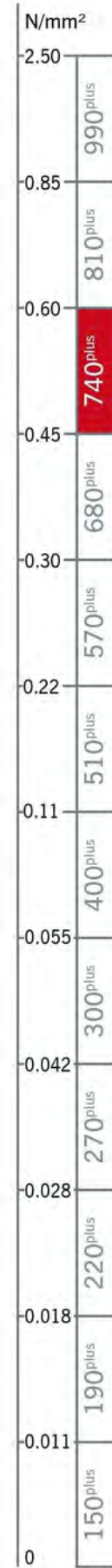


Illustration of the isolation efficiency of a single-degree-of-freedom system (SDOF system) on a rigid base with FAB-FOAM vibration 740 plus. Parameter: power transmission (insertion loss) in dB, isolation factor in %.

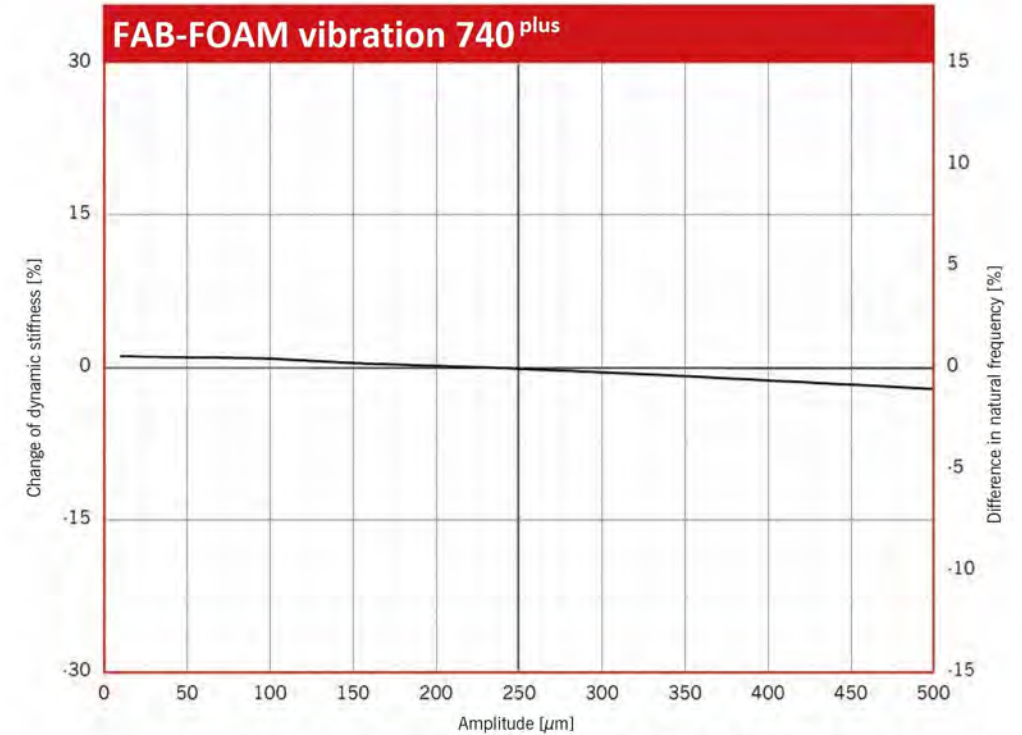
Natural Frequency



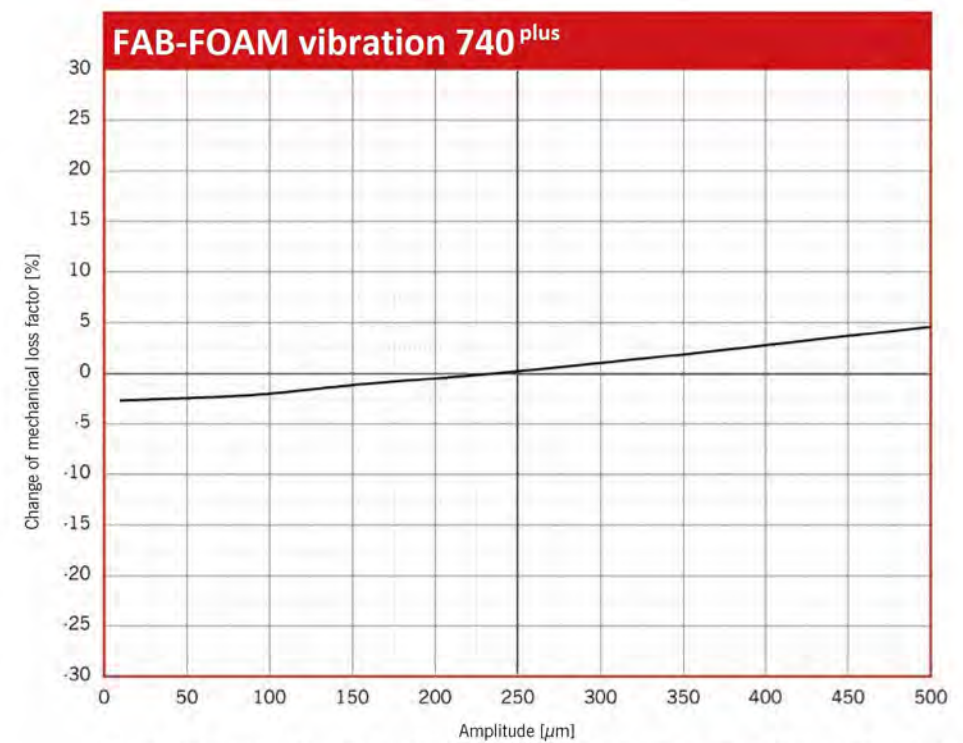
Natural frequency of a single-degree-of-freedom system (SDOF system) considering the dynamic stiffness of FAB-FOAM vibration 740 plus on a rigid base. Dimensions of test specimens 250 mm x 250 mm.



Influence of Amplitude



Change of the dynamic stiffness due to changes in amplitudes. Average for 5 Hz, 10 Hz and 40 Hz excitation. Sinusoidal excitation at a constant mean load of 0.60 N/mm², dimensions of the specimens 250 mm x 250 mm x 50 mm. Natural frequency of a single-degree-of-freedom system (SDOF system) on a rigid base.



Change of the mechanical loss factor due to changes in amplitudes. Sinusoidal excitation at a constant mean load of 0.60 N/mm², dimensions of the specimens 250 mm x 250 mm x 50 mm.

Modulus of Elasticity

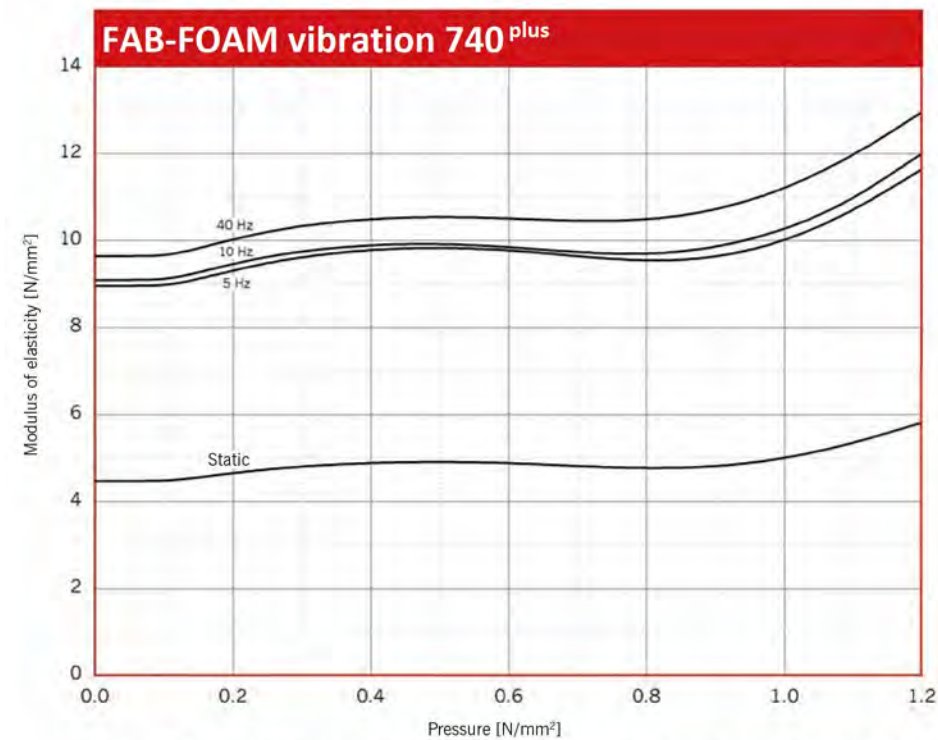


Illustration of the dynamic modulus of elasticity for sinusoidal excitation at a constant mean load and an amplitude of ± 0.25 mm. Dimensions of specimens 250 mm x 250 mm x 25 mm; static modulus of elasticity as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

Dynamic Stiffness

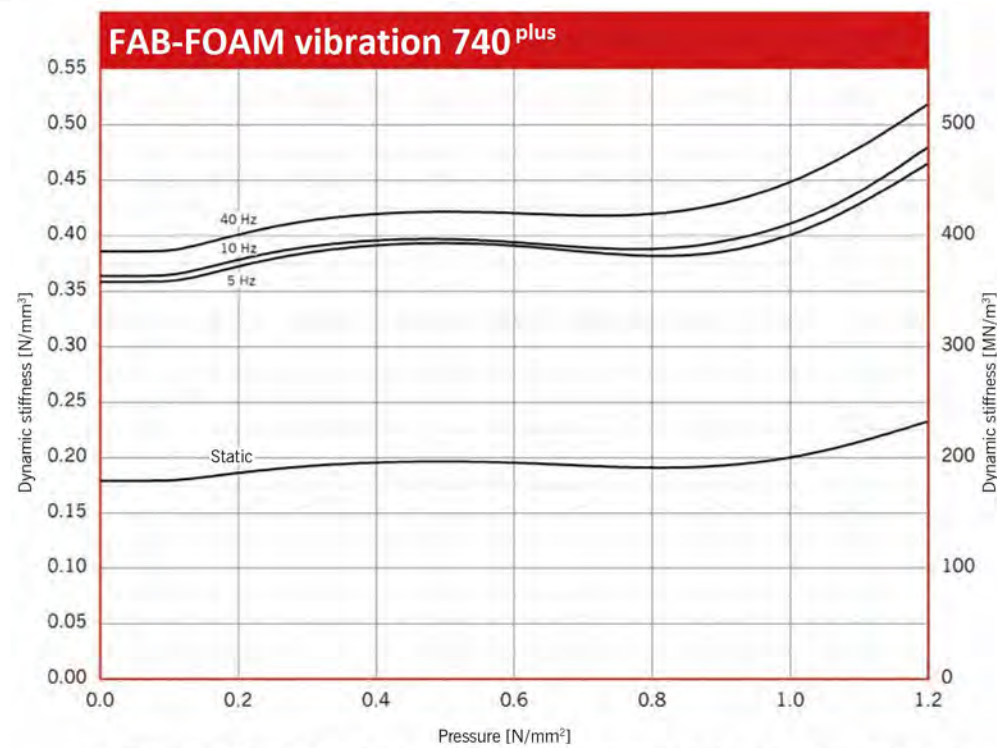
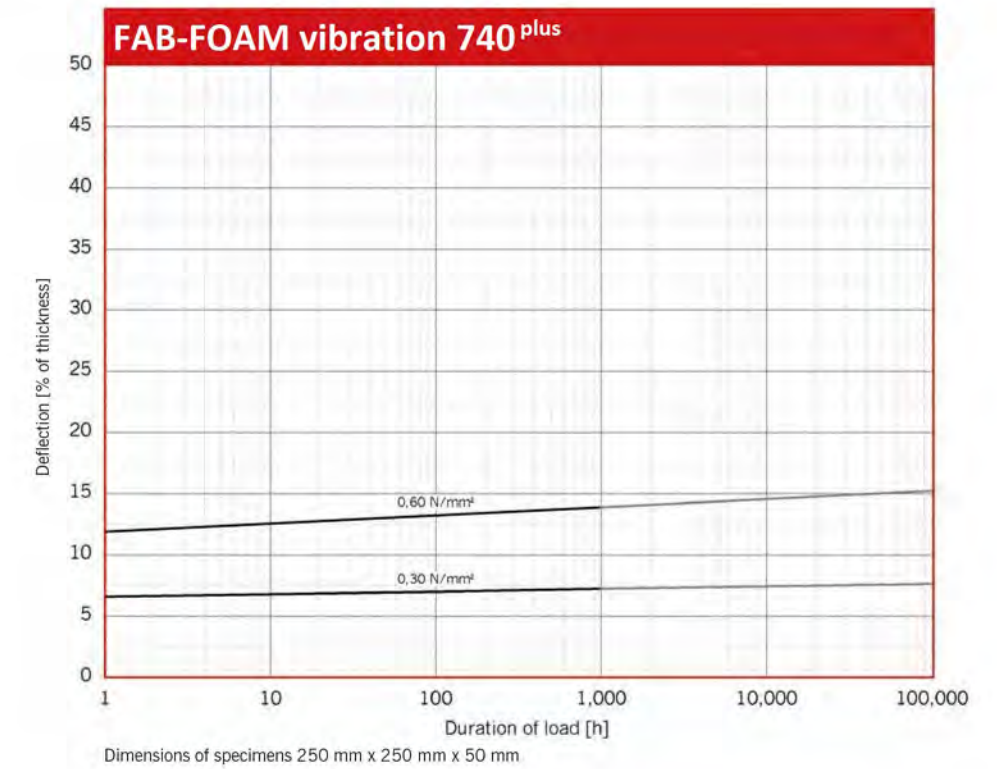


Illustration of the dynamic stiffness for sinusoidal excitation at a constant mean load and an amplitude of ± 0.25 mm. Dimensions of specimens 250 mm x 250 mm x 25 mm; static stiffness as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

Long-Term Creep Test



Dimensions of specimens 250 mm x 250 mm x 50 mm

Standard forms of delivery, ex warehouse

Plates

Thickness: 12 and 25 mm, special thicknesses on request
 Length: 1,500 mm, special lengths available
 Width: 1,000 mm

Stripping/smaller sizes

On request
 Die-cutting, water-jet cutting, self-adhesive versions possible

Continuous static load

0.85 N/mm²

Continuous and variable loads/operating load range

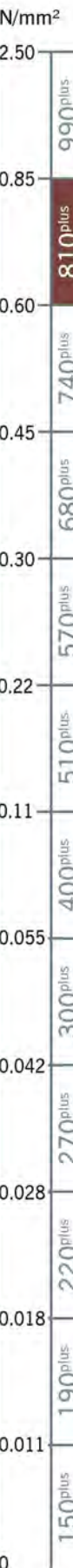
0 to 1.20 N/mm²

Peak loads (rare, short-term loads)

up to 7 N/mm²

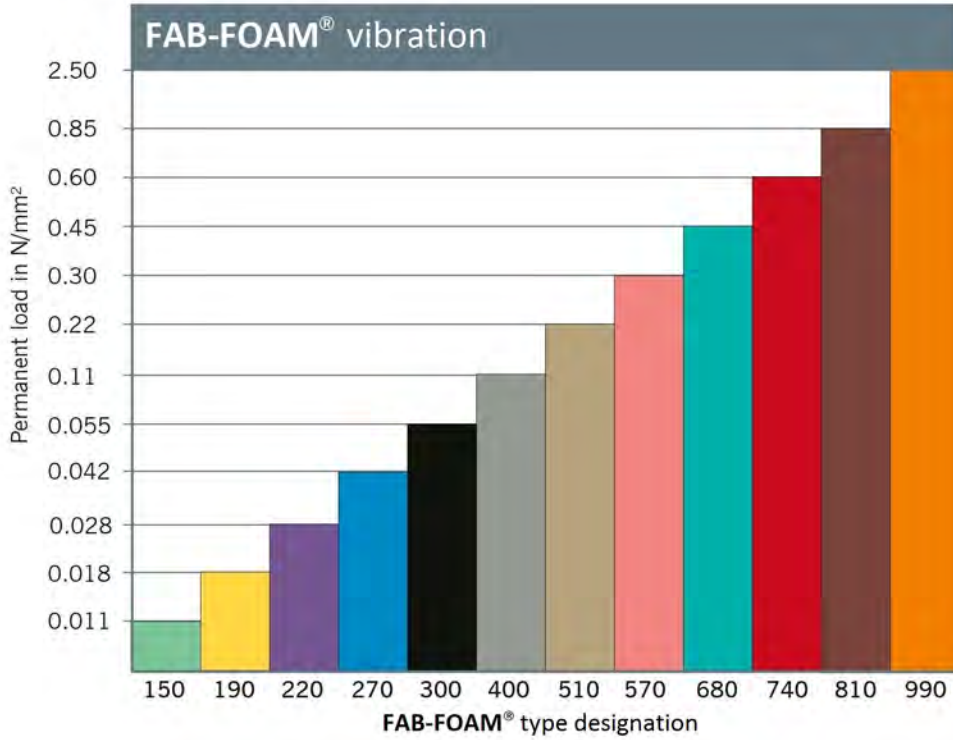


Colour: Brown

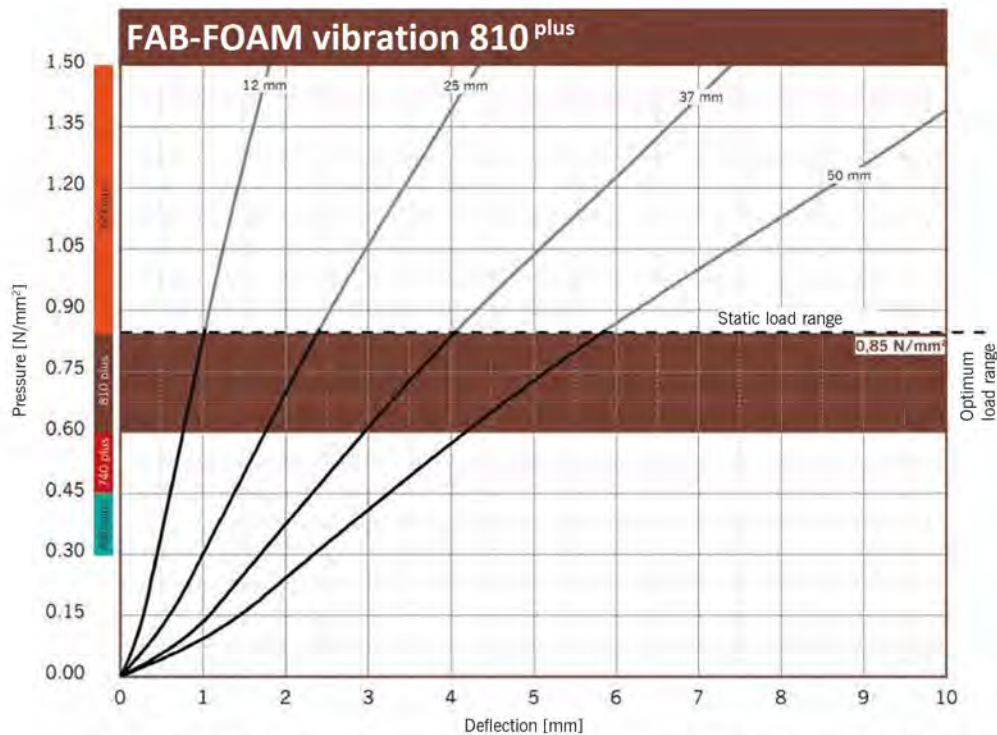


Static modulus of elasticity	Based on EN 826	5.8 - 7.2	N/mm ²	Tangential modulus, see figure "Modulus of elasticity"
Dynamic modulus of elasticity	Based on DIN 53513	11.0 - 16.5	N/mm ²	Depending on frequency, load and thickness, see figure "dynamic stiffness"
Mechanical loss factor	DIN 53513	0.10	[-]	Load-, amplitude- and frequency-dependent
Compression set	Based on DIN EN ISO 1856	7.9	%	Measured 30 minutes after decompression with 50% deformation / 23 °C after 72 hrs
Tensile strength	Based on DIN EN ISO 1798	4.6	N/mm ²	
Elongation at break	Based on DIN EN ISO 1798	230	%	
Tear resistance	Based on DIN ISO 34-1	20.0	N/mm	
Fire behaviour	DIN 4102 DIN EN 13501	B2 E	[-] [-]	Normal flammability
Sliding friction	BSW-laboratory BSW-laboratory	0.6 0.75	[-] [-]	Steel (dry) Concrete (dry)
Compression hardness	Based on DIN EN ISO 3386-2	1241	kPa	Compressive stress at 25 % deformation test specimen h = 25 mm
Rebound elasticity	Based on DIN EN ISO 8307	58	%	dependent on thickness, test specimen h = 25 mm
Force reduction	DIN EN 14904	35	%	dependent on thickness, test specimen h = 25 mm

Load Ranges



Load Deflection



Examination of deflection in accordance to DIN EN 826 between two stiff panels. Illustration based on the third loading. Velocity of loading and unloading 20 seconds. Tested at room temperature. Dimensions of test specimens 250 mm x 250 mm.

Vibration Isolation

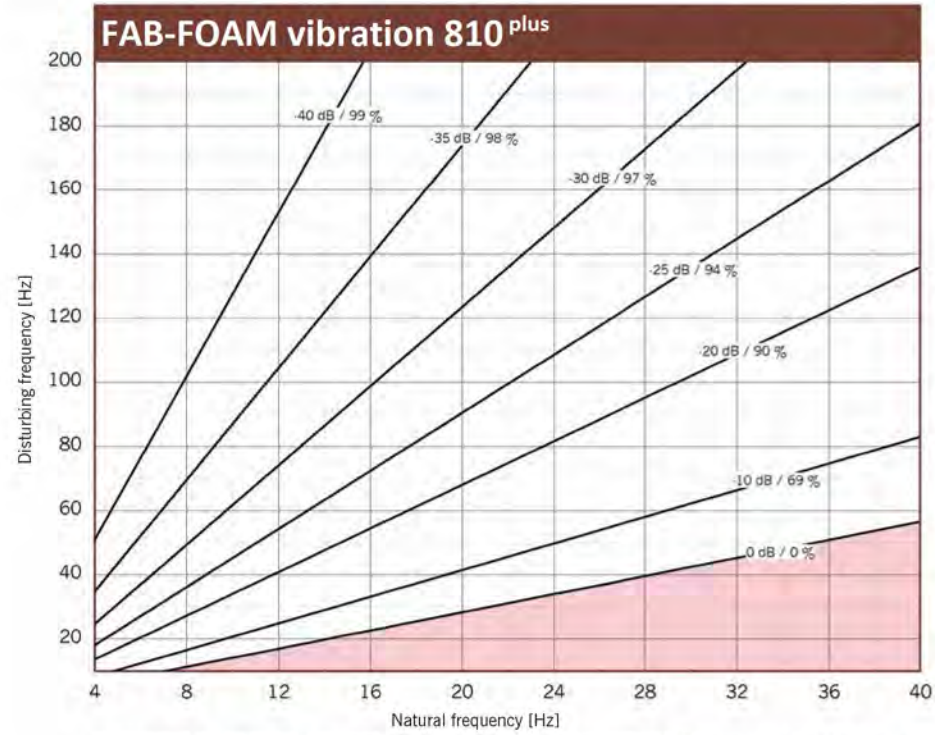
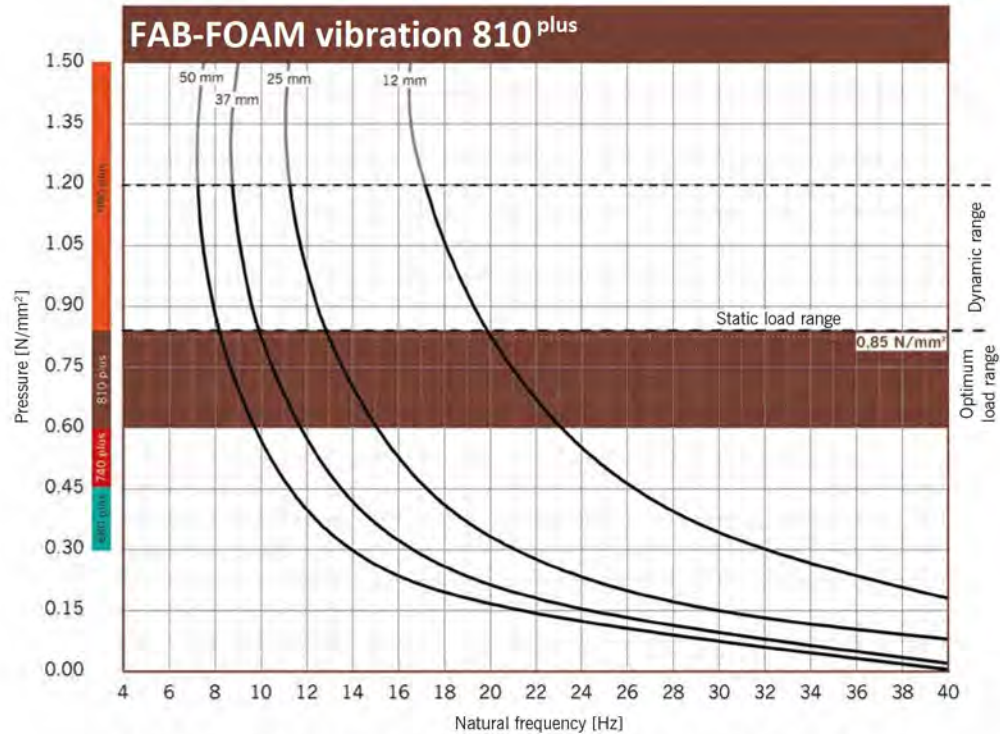


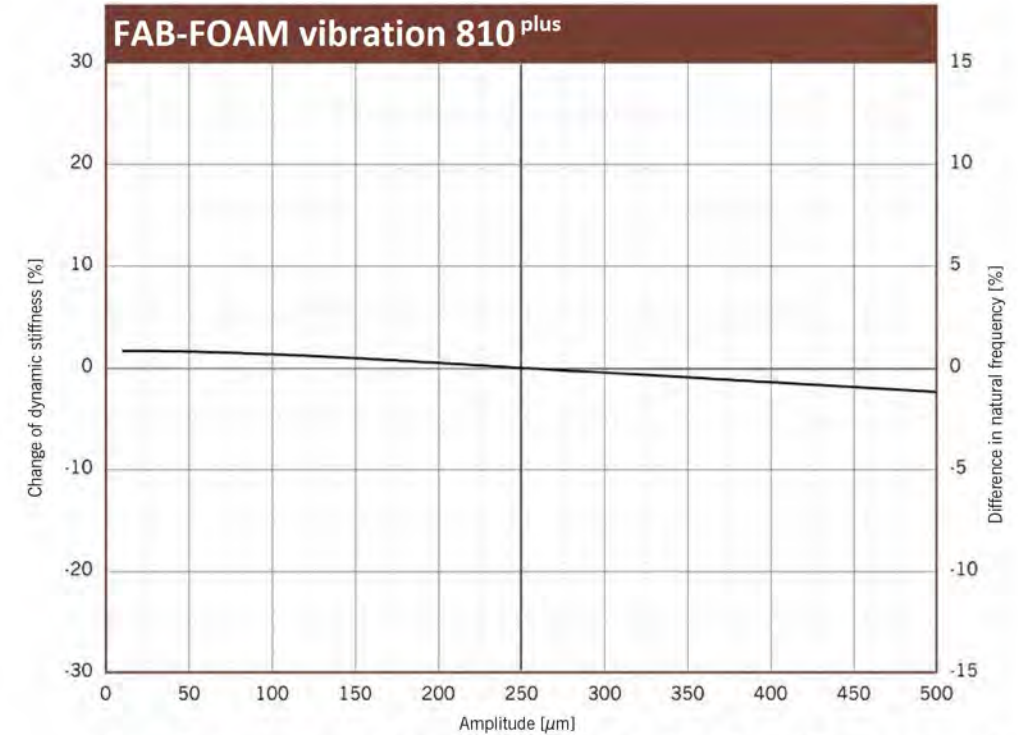
Illustration of the isolation efficiency of a single-degree-of-freedom system (SDOF system) on a rigid base with FAB-FOAM vibration 810 plus. Parameter: power transmission (insertion loss) in dB, isolation factor in %.

Natural Frequency

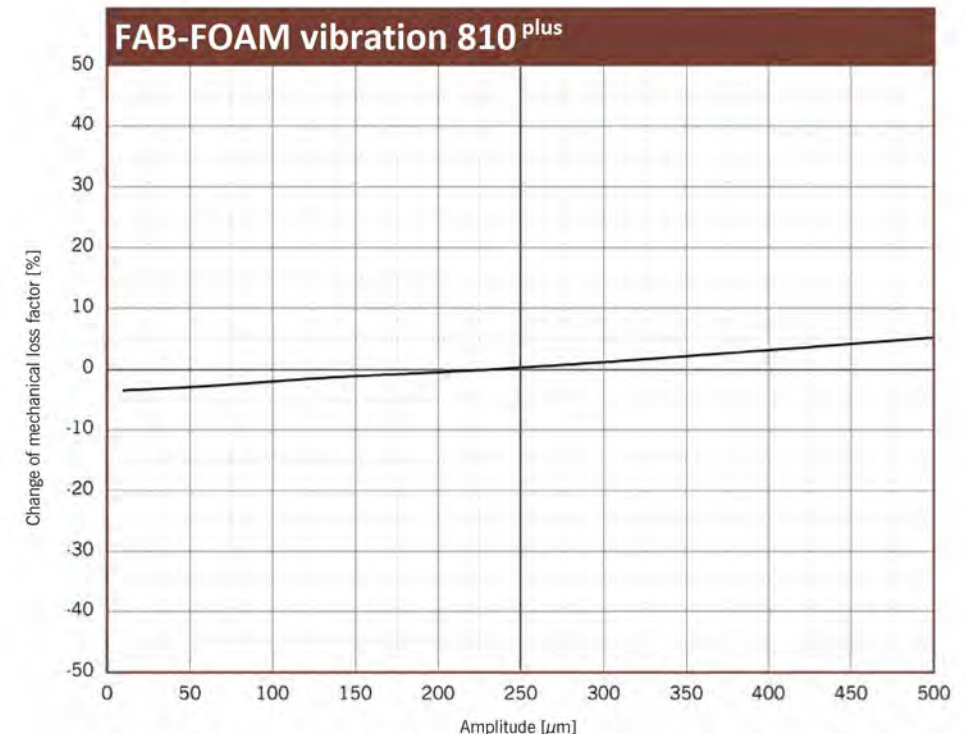


Natural frequency of a single-degree-of-freedom system (SDOF system) considering the dynamic stiffness of FAB-FOAM vibration 810 plus on a rigid base. Dimensions of test specimens 250 mm x 250 mm.

Influence of Amplitude



Change of the dynamic stiffness due to changes in amplitudes. Average for 5 Hz, 10 Hz and 40 Hz excitation. Sinusoidal excitation at a constant mean load of 0.85 N/mm², dimensions of the specimens 250 mm x 250 mm x 25 mm. Natural frequency of a single-degree-of-freedom system (SDOF system) on a rigid base.



Change of the mechanical loss factor due to changes in amplitudes. Sinusoidal excitation at a constant mean load of 0.85 N/mm², dimensions of the specimens 250 mm x 250 mm x 25 mm.



Modulus of Elasticity

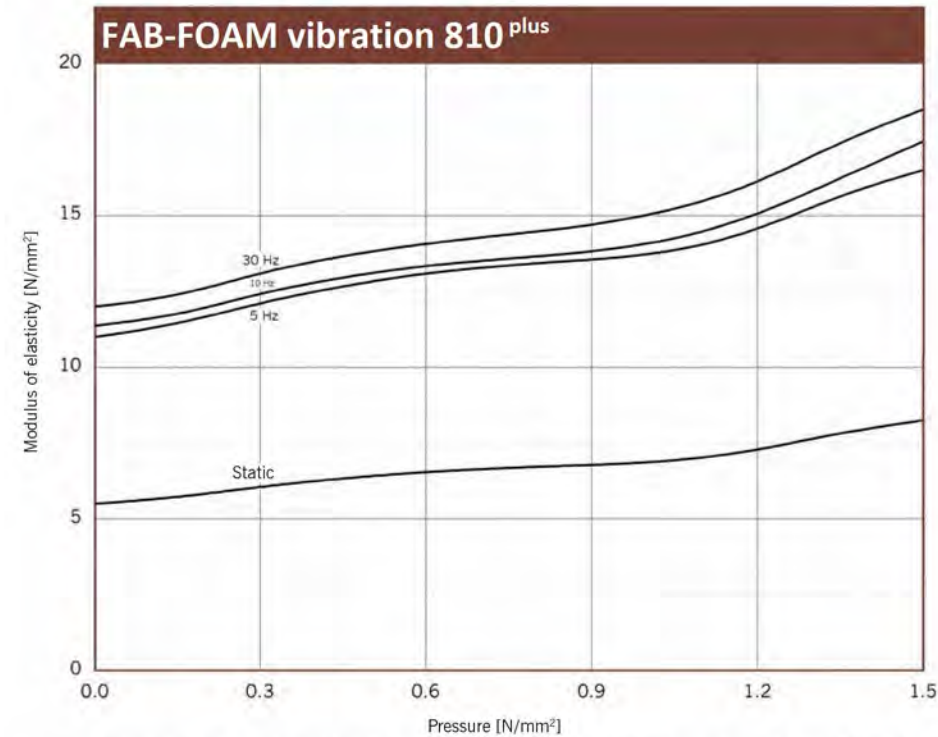


Illustration of the dynamic modulus of elasticity for sinusoidal excitation at a constant mean load and an amplitude of ± 0.10 mm. Dimensions of specimens 250 mm x 250 mm x 25 mm; static modulus of elasticity as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

Dynamic Stiffness

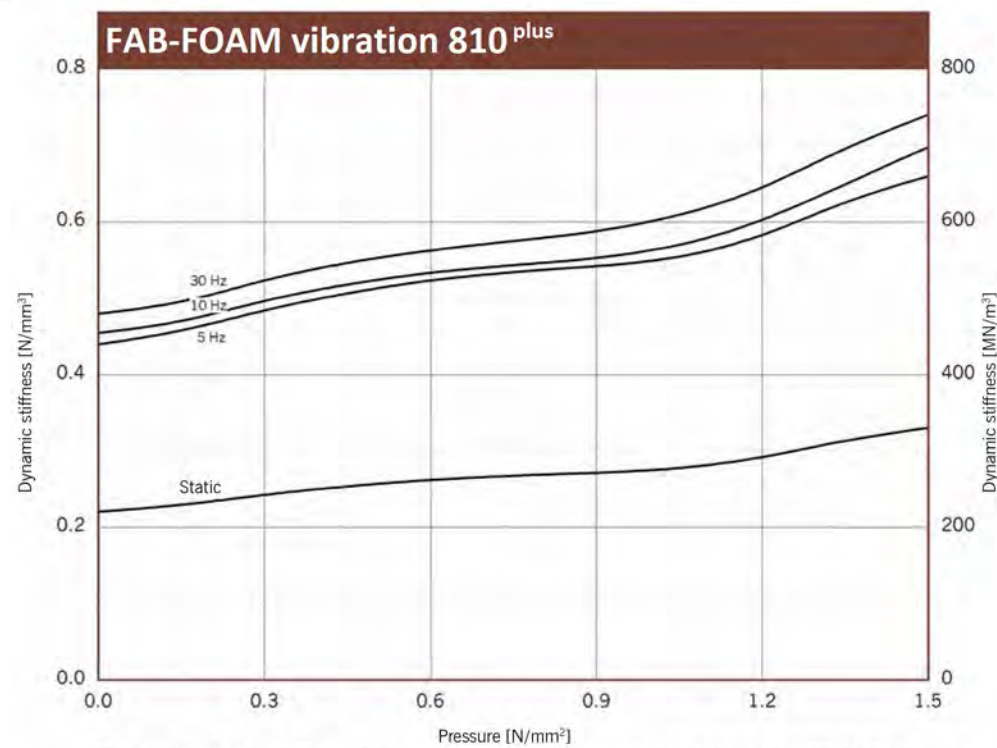
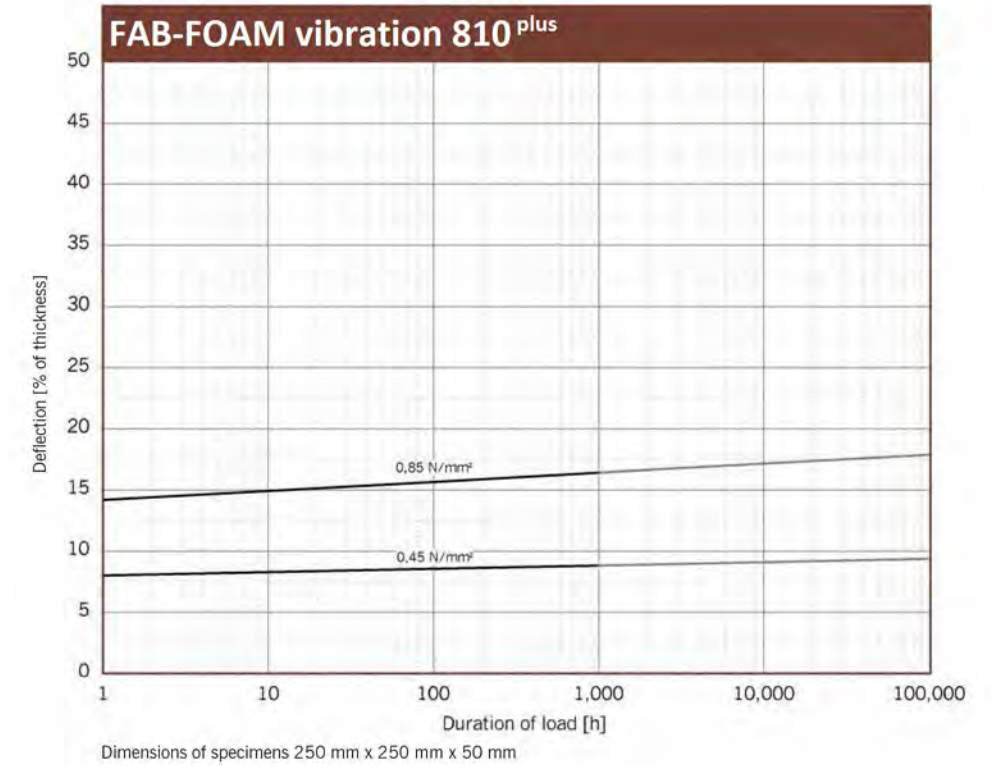


Illustration of the dynamic stiffness for sinusoidal excitation at a constant mean load and an amplitude of ± 0.10 mm. Dimensions of specimens 250 mm x 250 mm x 25 mm; static stiffness as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

Long-Term Creep Test



Dimensions of specimens 250 mm x 250 mm x 50 mm

Standard forms of delivery, ex warehouse

Plates

Thickness: 12 and 25 mm, special thicknesses on request
 Length: 1,500 mm, special lengths available
 Width: 1,000 mm

Stripping/smaller sizes

On request
 Die-cutting, water-jet cutting, self-adhesive versions possible

Continuous static load

2.5 N/mm²

Continuous and variable loads/operating load range

0 to 3.5 N/mm²

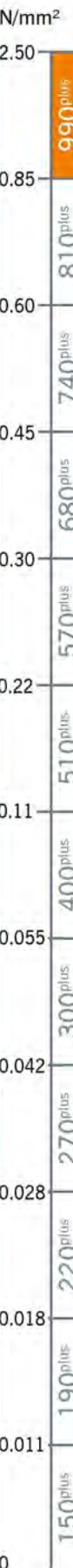
Peak loads (rare, short-term loads)

up to 8.0 N/mm²

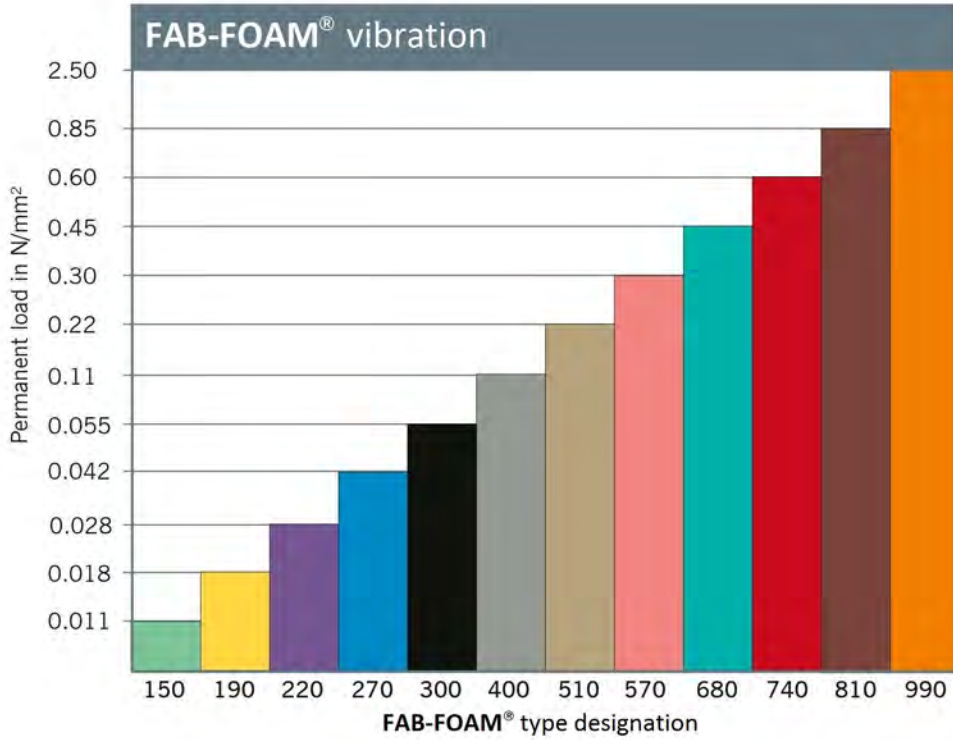


Colour: Orange

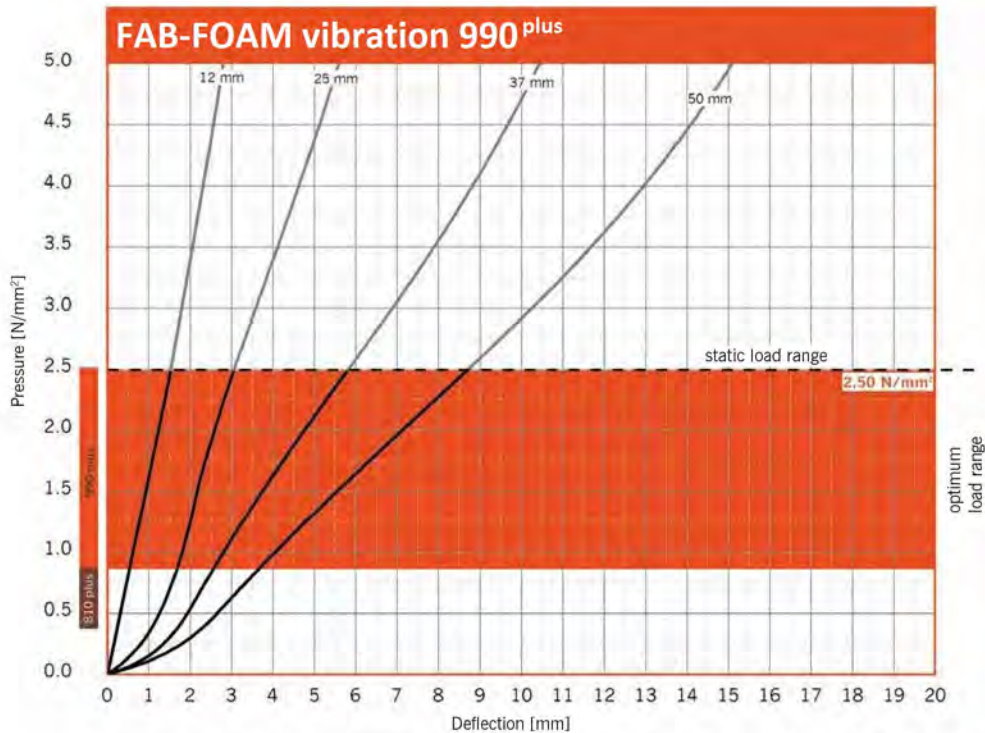
Static modulus of elasticity	Based on EN 826	20.0 - 78.0	N/mm ²	Tangential modulus, see figure "Modulus of elasticity"
Dynamic modulus of elasticity	Based on DIN 53513	41.0 - 160.0	N/mm ²	Depending on frequency, load and thickness, see figure "dynamic stiffness"
Mechanical loss factor	DIN 53513	0.09	[-]	Load-, amplitude- and frequency-dependent
Compression set	Based on DIN EN ISO 1856	8.6	%	Measured 30 minutes after decompression with 50% deformation / 23 °C after 72 hrs
Tensile strength	Based on DIN EN ISO 1798	6.9	N/mm ²	
Elongation at break	Based on DIN EN ISO 1798	190	%	
Tear resistance	Based on DIN ISO 34-1	34.5	N/mm	
Fire behaviour	DIN 4102 DIN EN 13501	B2 E	[-] [-]	Normal flammability
Sliding friction	BSW-laboratory BSW-laboratory	0.5 0.6	[-] [-]	Steel (dry) Concrete (dry)
Compression hardness	Based on DIN EN ISO 3386-2	3640	kPa	Compressive stress at 25 % deformation test specimen h = 25 mm
Rebound elasticity	Based on DIN EN ISO 8307	55	%	dependent on thickness, test specimen h = 25 mm
Force reduction	DIN EN 14904	20	%	dependent on thickness, test specimen h = 25 mm



Load Ranges

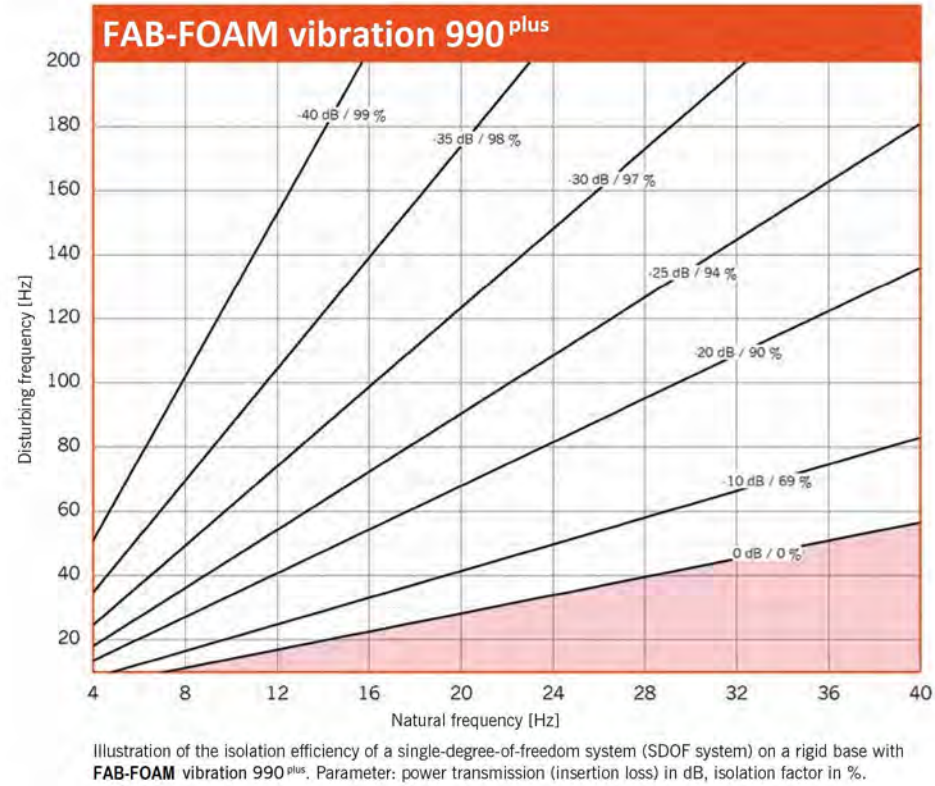


Load Deflection

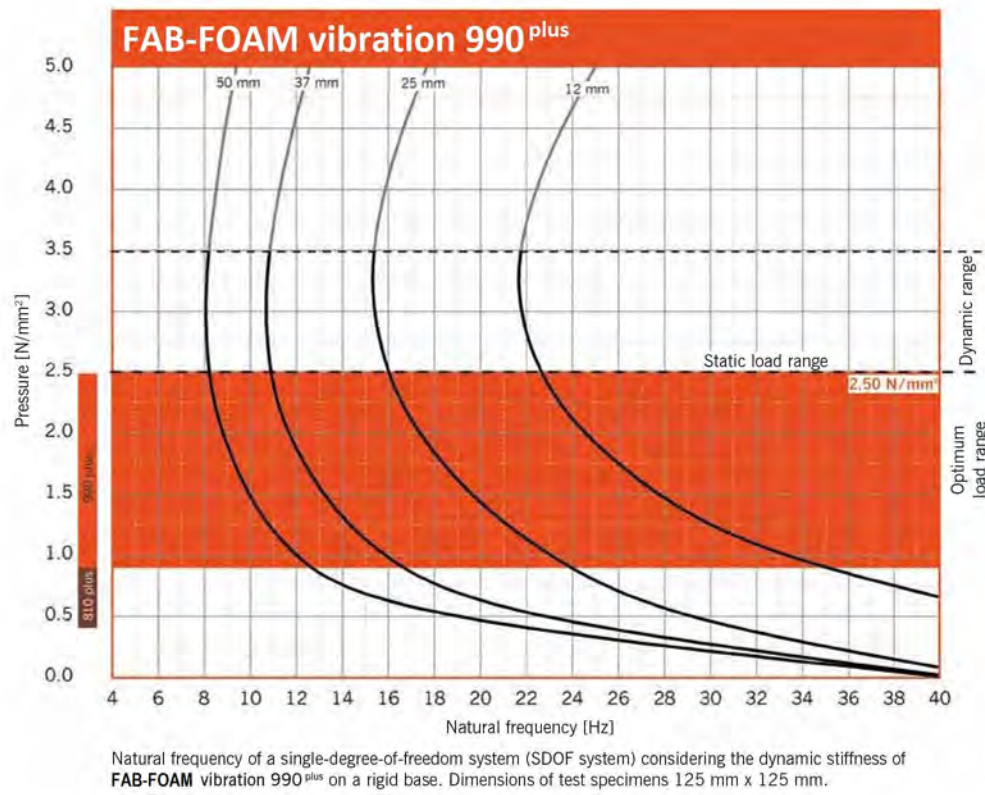


Examination of deflection in accordance to DIN EN 826 between two stiff panels. Illustration based on the third loading. Velocity of loading and unloading 20 seconds. Tested at room temperature. Dimensions of test specimens 125 mm x 125 mm.

Vibration Isolation

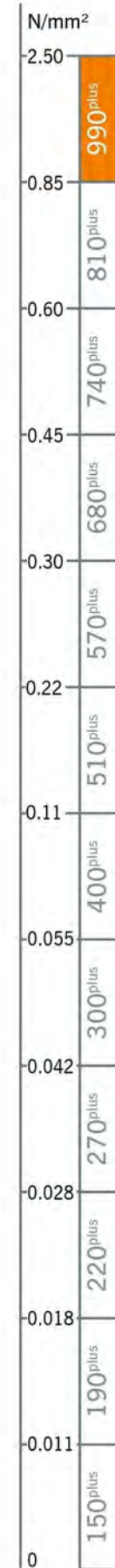


Natural Frequency



Influence of Amplitude

In order to get information of changes in mechanical loss or dynamic stiffness due to changes in amplitudes please ask technical staff of BSW.



Modulus of Elasticity

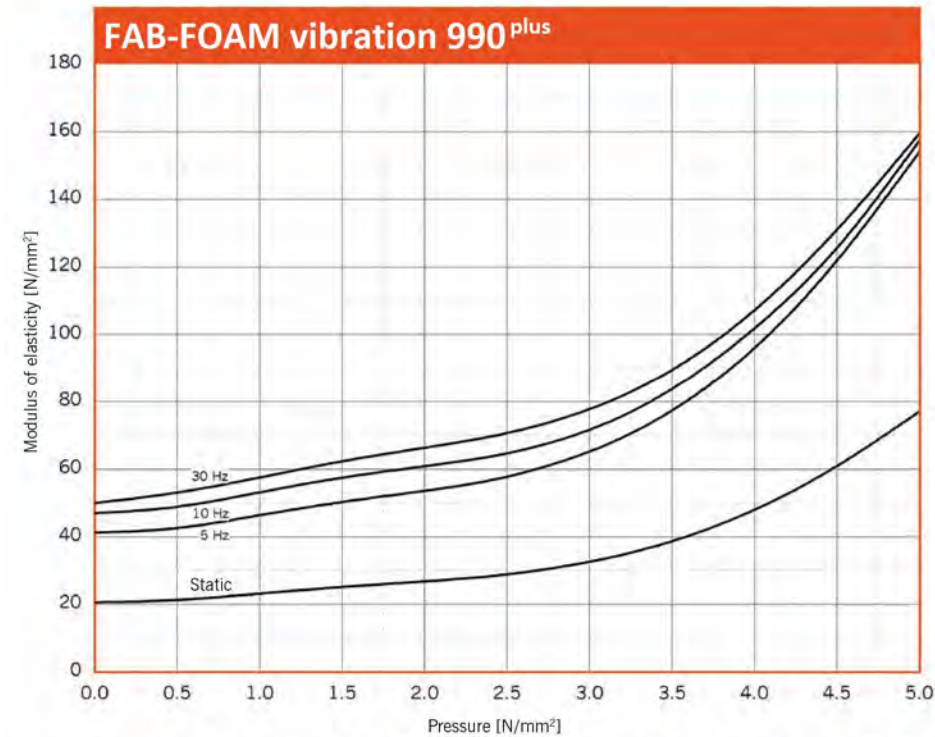


Illustration of the dynamic modulus of elasticity for sinusoidal excitation at a constant mean load and an amplitude of ± 0.10 mm. Dimensions of specimens 125 mm x 125 mm x 25 mm; static modulus of elasticity as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

Dynamic Stiffness

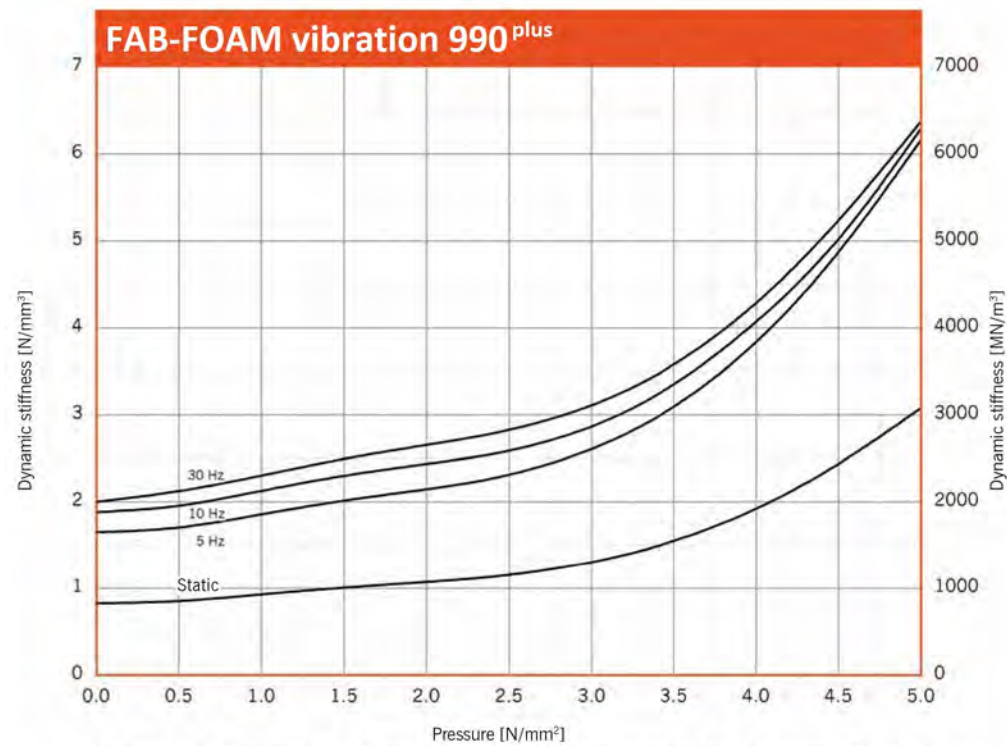
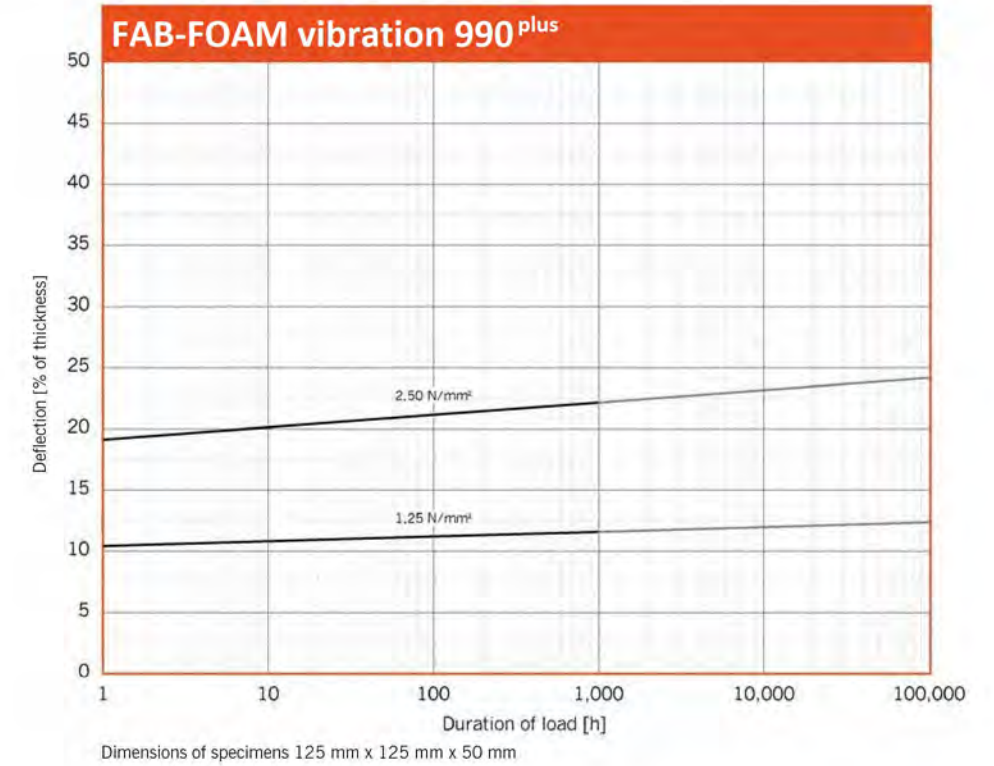


Illustration of the dynamic stiffness for sinusoidal excitation at a constant mean load and an amplitude of ± 0.10 mm. Dimensions of specimens 125 mm x 125 mm x 25 mm; static stiffness as a result of the tangent modulus of the spring characteristic. Tested in accordance with DIN 53513.

Long-Term Creep Test



Dimensions of specimens 125 mm x 125 mm x 50 mm