

DATABLAD PE SKUM (POLYETHYLEN)

Technical characteristics	Standard and details of test method		Unit	19 kg PE	23 kg PE	28 kg PE	35 kg PE
Dimensions - length	EN ISO 1923	nominal 23°C; HD: 50%	mm	2000	2000	2000	2000
		lower / upper limit 23°C; HD: 50%	mm	- 0 / +50	- 0 / +50	- 0 / +50	- 0 / +50
Dimensions - width	EN ISO 1923	nominal 23°C; HD: 50%	mm	1200	1200	1200	1200
		lower / upper limit 23°C; HD: 50%	mm	- 0 / +20	- 0 / +20	- 0 / +20	- 0 / +20
Density	EN ISO 845 eq. ASTM D3575 W	nominal 23°C; HD: 50%	kg/m ³	18	23	28	35
		lower / upper limit 23°C; HD: 50%	%	-10 / +10	-10 / +10	-10 / +10	-10 / +10
Compression stress	EN ISO 3386-1 eq. ASTM D-3575 D DIN 53577	1 impression 10% 23°C; HD: 50%	kPa	> 10	> 15	> 23	> 30
		1 impression 25% 23°C; HD: 50%		> 25	> 36	> 45	> 55
		1 impression 50% 23°C; HD: 50%		> 60	> 95	> 110	> 128
		1 impression 70% 23°C; HD: 50%		> 150	> 180	> 210	> 250
		4 impression 25% 23°C; HD: 50%		> 10	> 15	> 26	> 28
		4 impression 50% 23°C; HD: 50%		> 50	> 60	> 75	> 95
Tensile strength	EN ISO 1768 eq. ASTM D3575 T	Extrusion direction 23°C; HD: 50%	kPa	> 150	> 165	> 180	> 200
		Cross direction 23°C; HD: 50%		> 100	> 120	> 130	> 145
Tensile elongation	EN ISO 1798 eq. ASTM D3575 T	Extrusion direction 23°C; HD: 50%	%	> 80	> 80	> 100	> 100
		Cross direction 23°C; HD: 50%		> 60	> 60	> 80	> 80
Tear strength	EN ISO 8067 eq. ASTM D3575 G	Method A 23°C; HD: 50%	N/cm	> 4	> 6	> 9	> 10
Compression set	EN ISO 1856 eq. ASTM D3575 B	22; 50% , 2h: 23°C; HD: 50%	%	< 35	< 25	< 25	< 25
		22; 50% , 24h: 23°C; HD: 50%		< 25	< 20	< 20	< 20
Compressive creep	ISO 7850 eq. ASTM D3575 BB	* 168h; 23°C; HD: 50%	%	< 5	< 5	< 5	< 5
		* 1000h; 23°C; HD: 50%		< 10	< 10	< 10	< 10
Dimensional stability	ISO 2796 eq. ASTM D3575 S	24h; 70°C	%	< 9,0	< 8,0	< 6,0	< 5,0
		48h; 23°C		> -1,3	> -1,3	> -1,2	> -1,0
Thermal conductivity	ISO 8302 eq. ASTM D3575 V DIN 52612; NBN 62-201	10°C	W/mK	< 0,059	< 0,057	< 0,055	< 0,053
Water absorption	ISO 2896 eq. ASTM D2842	24h; 23°C	Vol. %	< 2,0	< 1,2	< 1,1	< 1
		168h; 23°C		< 4,0	< 1,8	< 1,7	< 1,5
		672h; 23°C		< 5,5	< 4,5	< 3,3	< 3

*19 kg-0,75psi

*23 kg 1,25psi

*28 kg-1,5psi

*35 kg-2psi