





DURLON DATA SHEETS

Durlon 7950 - 9000 Series

Compressed Sheet Gasket Material

Durlon: 7900/7925/7950 Aramid-Inorganic/NBR Rubber Binder

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DESCRIPTION

An economy grade general service compressed sheet with NBR rubber binder for mild service in piping and equipment and OEM applications in steam, hydrocarbons and refrigerants. An economical alternative when service ranges and applications are not severe. DURLON® 7900, 7925 and 7950 contain high-strength aramid and inorganic fibers bonded with high-grade Nitrile (NBR) rubber.

ANTI-STICK PROPERTIES

Much effort has gone into improving the anti-stick release agents of all compressed DURLON® products. All DURLON® compressed gasket materials have passed the MIL-G-24696B Navy Adhesion Test (366 °F/48 hrs).

DISCLAIMER

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AVAILABLE SIZES

Durlon 7950

1/64" x 60" x 63"
1/32" x 60" x 63"
1mm x 60" x 63"
1/16" x 60" x 63"
3/32" x 60" x 63"
1/8" x 60" x 63"
1/8" x 60" x 126"

Durlon 7900

1/64" x 60" x 63"
1/64" x 60" x 126"
1/16" x 60" x 63"
1/16" x 60" x 126"

Typical Properties

Colour:	Style 7900 – Off-White, branded Style 7925 – Light Green, branded Style 7950 – Blue, branded
Fiber:	Aramid-Inorganic
Binder:	Nitrile (NBR)
Fluid Services:	Steam, Water, Inert Gases, Oils, Fuels, Dilute Acids & Alkalis
Density:	1.7 g/cm ³ (106 lbs./ft ³)
Tensile Strength, ASTM F152:	1600 psi (11.0 MPa)
Compressibility, ASTM F36:	7 to 17%
Recovery ASTM F36:	40%
Temperature	
Range:	-100 to 700 °F (-73 to 371 °C)
Continuous, max:	500 °F (260 °C)
Pressure, max (ambient temperature)	1200 psig (83 bar)
Fluid Resistance - ASTM F146:	
IRM 903 oil, 5 h/300 °F (149 °C)	
Thickness Increase:	0 to 15%
Weight Increase:	15%
ASTM Fuel B 5 h/70 °F (21 °C)	
Thickness Increase:	0 to 10%
Weight Increase:	12%
Sealability	
ASTM F37 (Fuel A):	0.03 ml/hr
ASTM F37 (Nitrogen):	0.5 ml/hr
Dielectric Breakdown, ASTM D149:	11.0 kV/mm (279 V/mil)
ASTM F2378 Gas Permeability:	0.05 cc/min
Creep Relaxation ASTM F38:	20%
Flexibility, ASTM F147:	10x
ASTM F104 Line Call-Out:	F712120-A9B3E22K5L151M5

M&Y and Proposed ASTM Gasket Constants:

THICKNESS	1/16"	1/8"
M	3.0	3.2
Y psi (MPa)	3347 (23.1)	3385 (23.3)
Gasket Constants		
Gb psi (MPa)	497 (3.4)	486 (3.4)
a	0.226	0.276
Gb psi (MPa)	3 (0.02)	0.4 (0.003)

*Gasket Constants based on proposed ASTM Draft 10.1

Compressed Sheet Gasket Material

Durlon: 8300 Carbon/NBR Rubber Binder

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DESCRIPTION

8300 is a premium grade compressed non-asbestos sheet gasket material for service conditions to 900 °F (482 °C) and continuous operating temperatures of -100°F to 650 °F (-73°C to 343 °C) or 2000 psi (139 bar). It is suitable for saturated steam, oil, dilute acids and mild alkalis, hydrocarbons and solvents. It contains high-strength carbon fibers bonded with nitrile (NBR) synthetic rubber.

ANTI-STICK PROPERTIES

A release agent on both sides provides good anti-stick properties. Much effort has gone into improving the anti-stick release agents of all compressed DURLON® products. All DURLON® compressed gasket materials have passed the MIL-G-24696B Navy Adhesion Test (366 °F/48 hrs).

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AVAILABLE SIZES

1/64" x 60" x 63"

1/32" x 60" x 63"

1mm x 60" x 63"

1/16" x 60" x 63"

1/16" x 60" x 126"

2mm x 60" x 63"

3/32" x 60" x 63"

1/8" x 60" x 63"

Typical Properties

Colour:	Black, branded
Fiber:	Carbon
Binder:	Nitrile (NBR)
Fluid Services:	Saturated Steam, Oils, Dilute Acids & Alkalis, Hydrocarbons, Solvents
Density:	1.6 g/cm ³ (100 lbs./ft ³)
Tensile Strength, ASTM F152:	1,800 psi (12.4 MPa)
Compressibility, ASTM F36:	8 to 16%
Recovery ASTM F36:	50%
Temperature	
Range:	-100 to 900 °F (-73 to 482 °C)
Continuous, max:	650 °F (343 °C)
Pressure, max (ambient temperature)	2000 psig (139 bar)
Fluid Resistance - ASTM F146:	
IRM 903 oil, 5 h/300 °F (149 °C)	
Thickness Increase:	0 to 10%
Weight Increase:	10%
ASTM Fuel B 5 h/70 °F (21 °C)	
Thickness Increase:	0 to 10%
Weight Increase:	12%
Sealability	
ASTM F37 (Fuel A):	0.03 mL/hr
ASTM F37 (Nitrogen):	0.4 mL/hr
Volume Resistivity, ASTM D257:	5 x 10 ⁹ ohm-cm
Dielectric Breakdown, ASTM D149:	0.04 kV/mm (1 V/mil)
ASTM F2378 Gas Permeability:	0.05 cc/min
Creep Relaxation ASTM F38:	18%
Flexibility, ASTM F147:	10x
ASTM F104 Line Call-Out:	F712120-A9B3E22K5L311M5

M&Y and Proposed ASTM Gasket Constants:

THICKNESS	1/16"	1/8"
M	3.7	3
Y psi (MPa)	3515 (24.2)	4014 (27.7)
Gasket Constants		
Gb psi (MPa)	512 (3.5)	1716 (11.8)
a	0.355	0.209
Gb psi (MPa)	13 (0.09)	70 (0.48)

*Gasket Constants based on proposed ASTM Draft 10.1

Compressed Sheet Gasket Material

Durlon: 8400 Phenolic/NBR Rubber Binder

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DESCRIPTION

With an extremely wide pH application range, DURLON® 8400 can be used in process piping and equipment in chemical, pulp and paper, and other general industrial applications. A unique high-performance compressed sheet DURLON® 8400 is an excellent gasket material for use in steam, mild caustics and acids in Class 150 and 300 service.

ANTI-STICK PROPERTIES

A release agent on both sides provides good anti-stick properties. Much effort has gone into improving the anti-stick release agents of all compressed DURLON® products. All DURLON® compressed gasket materials have passed the MIL-G-24696B Navy Adhesion Test (366° F/48 hrs).

COMPOSITION

DURLON® 8400 contains high temperature phenolic fibers and minerals combined with high-grade Nitrile NBR rubber. It exhibits higher temperature limits than aramid based materials and the handling and cutting characteristics are greatly improved over carbon and glass fiber products.

PH RANGE

DURLON® 8400 has a pH application range of 2 to 13 at room temperature, the widest any compressed sheet gasket material produced today. This makes DURLON® 8400 especially suitable in pulp and paper, and chemical plant applications.

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AVAILABLE SIZES

1/64" x 60" x 63"
1/32" x 60" x 63"
1/16" x 60" x 63"
3/32" x 60" x 63"
1/8" x 60" x 63"

Typical Properties

Colour:	Gold, branded
Fiber:	Phenolic
Binder:	Nitrile (NBR)
Fluid Services:	Steam, Oils, Solvents, Caustics, Fuels, Dilute Acids & Alkalis, Hydrocarbons, Refrigerants
Density:	1.7 g/cm ³ (106 lbs./ft ³)
Tensile Strength, ASTM F152:	1,800 psi (12.4 MPa)
Compressibility, ASTM F36:	8 to 16%
Recovery ASTM F36:	50%
Temperature	
Range:	-100 to 800 °F (-73 to 427 °C)
Continuous, max:	554 °F (290 °C)
Pressure, max (ambient temperature)	1500 psig (103 bar)
Fluid Resistance - ASTM F146:	
IRM 903 oil, 5 h/300 °F (149 °C)	
Thickness Increase:	0 to 15%
Weight Increase:	15%
ASTM Fuel B 5 h/70 °F (21 °C)	
Thickness Increase:	0 to 10%
Weight Increase:	15%
Sealability	
ASTM F37 (Fuel A):	0.01 mL/hr
ASTM F37 (Nitrogen):	0.3 mL/hr
Volume Resistivity, ASTM D257:	3.1 x 10 ¹³ ohm-cm
Dielectric Breakdown, ASTM D149:	14.6 kV/mm (371 V/mil)
Nitrogen Permeability ASTM F2378:	0.03 cc/min
Creep Relaxation ASTM F38:	25%
Flexibility, ASTM F147:	8x
ASTM F104 Line Call-Out:	F712120-A9B4E22K5L911M5

M&Y and Proposed ASTM Gasket Constants:

THICKNESS	1/16"	1/8"
M	2.9	4.5
Y psi (MPa)	2410 (16.6)	3967 (27.4)
Gasket Constants		
Gb psi (MPa)	2000 (13.8)	1076 (7.4)
a	0.194	0.289
Gb psi (MPa)	340 (2.3)	94 (0.7)

*Gasket Constants based on proposed ASTM Draft 10.1

Compressed Sheet Gasket Material

Durlon: 8500 Aramid-Inorganic/NBR Rubber Binder

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DESCRIPTION

DURLON® 8500 is excellent in steam, natural gas, soybean processing and with new generation refrigerants. A high quality general service gasket material for use in a wide range of services in pulp and paper, food, beverage, pharmaceutical, chemical, refinery, gas pipeline and general industry. It exhibits good compressibility and recovery, sealability, flexibility and cutting characteristics.

ANTI-STICK PROPERTIES

A release agent on both sides provides good anti-stick properties. Much effort has gone into improving the anti-stick release agents of all compressed DURLON® products. All DURLON® compressed gasket materials have passed the MIL-G-24696B Navy Adhesion Test (366° F/48 hrs).

FIRE TESTING

DURLON® 8500 contains high-strength aramid and inorganic fibers bonded with high-grade Nitrile (DURLON® 8500 has successfully passed a modified version of the API 607 fire test. The duration of the direct flame portion of the test is 30 minutes and the flange temperature must reach 1200° F in the first 15 minutes. The internal pressure is held at a constant 30 psig. After the flame is shut off, the fixture is immediately water quenched with an overhead water blast. Leakage must not exceed 100 ml/min after a 6 minute cool down to successfully pass the test. Subsequent leakage testing is also performed. NBR) rubber.

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AVAILABLE SIZES

1/64" x 60" x 63"
1/32" x 60" x 63"
1/32" x 60" x 126"
1mm x 60" x 63"
1/16" x 60" x 63"
2mm x 60" x 63"
3/32" x 60" x 63"
1/8" x 60" x 63"
3/16" x 60" x 63"

COMPOSITION

DURLON® 8500 contains high-strength aramid and inorganic fibers bonded with high-grade Nitrile (NBR) rubber.

Typical Properties

Colour:	Green, branded
Fiber:	Aramid/Inorganic
Binder:	Nitrile (NBR)
Fluid Services:	Saturated Steam, Oils, Fuels, Dilute Acids & Alkalis, Solvents, Refrigerants
Density:	1.7 g/cm ³ (106 lbs./ft ³)
Tensile Strength, ASTM F152:	2,000 psi (13.8 MPa)
Compressibility, ASTM F36:	8 to 16%
Recovery ASTM F36:	50%
Temperature	
Range:	-100 to 700 °F (-73 to 371 °C)
Continuous, max:	548 °F (287 °C)
Pressure, max (ambient temperature)	1500 psig (103 bar)
Fluid Resistance - ASTM F146:	
IRM 903 oil, 5 h/300 °F (149 °C)	
Thickness Increase:	Thickness Increase: 0 to 15%
Weight Increase:	Weight Increase: 15%
ASTM Fuel B 5 h/70 °F (21 °C)	
Thickness Increase:	Thickness Increase: 0 to 10%
Weight Increase:	Weight Increase: 10%
Sealability	
ASTM F37 (Fuel A):	0.01 mL/hr
ASTM F37 (Nitrogen):	ASTM F37 (Nitrogen): 0.4 mL/hr
Volume Resistivity, ASTM D257:	4.2 x 10 ¹³ ohm-cm
Dielectric Breakdown, ASTM D149:	11.7 kV/mm (297 V/mil)
ASTM F2378 Gas Permeability:	0.03 cc/min
Creep Relaxation ASTM F38:	20%
Flexibility, ASTM F147:	10x
ASTM F104 Line Call-Out:	F712120-A9B3E12K5L151M6

M&Y and Proposed ASTM Gasket Constants:

THICKNESS	1/16"	1/8"
M	2.7	4.2
Y psi (MPa)	2359 (16.3)	2931 (20.2)
Gasket Constants		
Gb psi (MPa)	650 (4.5)	400 (2.8)
a	0.330	0.350
Gb psi (MPa)	200 (1.4)	20 (0.1)

*Gasket Constants based on proposed ASTM Draft 10.1

Compressed Sheet Gasket Material

Durlon: 8600 Aramid-Inorganic/SBR Rubber Binder

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DESCRIPTION

8600 is for use in process industries including pulp and paper, power, petrochemical as well as general industry where a "white" gasket material is often required such as food and beverage, pharmaceutical and plastics. For services such as water, steam, air inert gases, alcohols, dilute acids and alkalis ammonia and many other liquids and gases. Exhibits good compressibility and recovery, sealability, flexibility and cutting characteristics.

ANTI-STICK PROPERTIES

A release agent on both sides provides good anti-stick properties. Much effort has gone into improving the anti-stick release agents of all compressed DURLON® products. All DURLON® compressed gasket materials have passed the MIL-G-24696B Navy Adhesion Test (366 °F/48 hrs).

COMPOSITION

DURLON® 8600 contains high-strength aramid and inorganic fibers bonded with high-grade SBR rubber.

AVAILABLE SIZES

1/64" x 60" x 63"
1/32" x 60" x 63"
1/16" x 60" x 63"
3/32" x 60" x 63"
1/8" x 60" x 63"

DISCLAIMER

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Typical Properties

Colour:	White, branded
Fiber:	Aramid/Inorganic
Binder:	SBR
Fluid Services:	Saturated Steam, Water, Inert Gases, Alcohols, Dilute Acids & Alkalis, Ammonia
Density:	1.7 g/cm ³ (106 lbs./ft ³)
Tensile Strength, ASTM F152:	1,800 psi (12.4 MPa)
Compressibility, ASTM F36:	8 to 16%
Recovery ASTM F36:	45%
Temperature	
Range:	-100 to 700 °F (-73 to 371 °C)
Continuous, max:	548 °F (287 °C)
Pressure, max (ambient temperature)	1500 psig (103 bar)
Fluid Resistance - ASTM F146:	
IRM 903 oil, 5 h/300 °F (149 °C)	
Thickness Increase:	15 to 30%
Weight Increase:	30%
ASTM Fuel B 5 h/70 °F (21 °C)	
Thickness Increase:	5 to 20%
Weight Increase:	30%
Sealability	
ASTM F37 (Fuel A):	0.03 mL/hr
ASTM F37 (Nitrogen):	0.5 mL/hr
Volume Resistivity, ASTM D257:	4.2 x 10 ¹³ ohm-cm
Dielectric Breakdown, ASTM D149:	11.7 kV/mm (297 V/mil)
Nitrogen Permeability ASTM F2378:	0.05 cc/min
Creep Relaxation ASTM F38:	20%
Flexibility, ASTM F147:	8x
ASTM F104 Line Call-Out:	F712440-A9B3E24K5L152M5

M&Y and Proposed ASTM Gasket Constants:

THICKNESS	1/16"	1/8"
M	2.9	
Y psi (MPa)	2540 (17.51)	
Gasket Constants		
Gb psi (MPa)		
a		
Gb psi (MPa)		

*Gasket Constants based on proposed ASTM Draft 10.1

Compressed Sheet Gasket Material

Durlon: 8700 Aramid-Inorganic/CR Rubber Binder

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DESCRIPTION

DURLON®8700 is a high performance gasket material for use in processes requiring a chloroprene (CR) bonded sheet such as refrigeration services. This product has excellent resistance to ozone, oils, non-aromatic solvents and many refrigerants.

ANTI-STICK PROPERTIES

Much effort has gone into improving the anti-stick release agents of all compressed DURLON® products. All DURLON® compressed gasket materials have passed the MIL-G-24696B Navy Adhesion Test (366 °F/48 hrs).

COMPOSITION

DURLON® 8700 contains high-strength aramid and inorganic fibers bonded with high-grade chloroprene (CR) rubber.

AVAILABLE SIZES

1/32" x 60" x 63"

1/32" x 60" x 126"

1/16" x 60" x 63"

1/8" x 60" x 63"

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Typical Properties

Colour:	Blue, branded
Fiber:	Aramid/Inorganic
Binder:	Chloroprene (CR)
Fluid Services:	Saturated Steam, Oils, Water, Dilute Acids & Alkalis, Refrigerants
Density:	1.7 g/cm ³ (106 lbs./ft ³)
Tensile Strength, ASTM F152:	1,500 psi (10.3 MPa)
Compressibility, ASTM F36:	8 to 16%
Recovery ASTM F36:	45%
Temperature	
Range:	-100 to 700 °F (-73 to 371 °C)
Continuous, max:	548 °F (287 °C)
Pressure, max (ambient temperature)	1500 psig (103 bar)
Fluid Resistance - ASTM F146:	
IRM 903 oil, 5 h/300 °F (149 °C)	
Thickness Increase:	10 to 15%
Weight Increase:	20%
ASTM Fuel B 5 h/70 °F (21 °C)	
Thickness Increase:	5 to 20%
Weight Increase:	20%
Sealability	
ASTM F37 (Fuel A):	0.03 mL/hr
ASTM F37 (Nitrogen):	0.7 mL/hr
Volume Resistivity, ASTM D257:	4.2 x 10 ¹³ ohm-cm
Dielectric Breakdown, ASTM D149:	11.7 kV/mm (297 V/mil)
Nitrogen Permeability ASTM F2378:	0.05 cc/min
Creep Relaxation ASTM F38:	20%
Flexibility, ASTM F147:	10x
ASTM F104 Line Call-Out:	F712330-A9B5E45K5L153M5

M&Y and Proposed ASTM Gasket Constants:

THICKNESS	1/16"	1/8"
M	3.1	
Y psi (MPa)	3127 (21.6)	
Gasket Constants		
Gb psi (MPa)		
a		
Gb psi (MPa)		

*Gasket Constants based on proposed ASTM Draft 10.1

Compressed Sheet Gasket Material

Durlon: 8900 Aramid-Graphite/NBR Rubber Binder

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DESCRIPTION

DURLON® 8900 is a premium grade compressed non-asbestos sheet gasket material for service conditions to 925 °F (496 °C) and continuous operating temperatures of -100°F to 752 °F (-73°C to 400 °C), or 2000 psi (13.8 MPa). It is suitable for saturated and superheated steam, oil, dilute acids and alkalis, hydrocarbons, solvents and refrigerants.

COMPOSITION

DURLON® 8900 was specially developed to withstand high temperature and pressure application with good chemical resistance. It contains high strength fibers and graphite fillers bonded with high performance nitrile (NBR) synthetic rubber. Rubber level was optimized to obtain a flexible sheet with good cutting properties without compromising on physical properties at high temperature.

FIRE TESTING

DURLON® 8900 has achieved the requirements of the Fire Test Certification ANSI/API 607, 6th Edition with zero leakage.

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Typical Properties

Colour:	Black, branded
Fiber:	Aramid/Inorganic
Binder:	Nitrile (NBR)
Fluid Services:	Saturated and Superheated Steam, Oil, Dilute Acids & Alkalis, Hydrocarbons, Solvents, Refrigerants
Density:	1.6 g/cm ³ (100 lbs./ft ³)
Tensile Strength, ASTM F152:	2,000 psi (13.8 MPa)
Compressibility, ASTM F36:	7 to 17%
Recovery ASTM F36:	50%
Temperature	
Range:	-100 to 925 °F (-73 to 496 °C)
Continuous, max:	752 °F (400 °C)
Pressure, max (ambient temperature)	2,000 psig (138 bar)
Fluid Resistance - ASTM F146:	
IRM 903 oil, 5 h/300 °F (149 °C)	
Thickness Increase:	3% Maximum
Weight Increase:	15% Maximum
ASTM Fuel B 5 h/70 °F (21 °C)	
Thickness Increase:	4% Maximum
Weight Increase:	12% Maximum
Stress Relaxation, DIN 52913, @ 7252 psi (50 MPa)	
16 h @ 347°F (175°C)	6500 psi (44.8 MPa) Minimum
16 h @ 572°F (300°C)	6000 psi (41.4 MPa) Minimum
Volume Resistivity, ASTM D257:	4.01 x 100 ohm-cm
Dielectric Breakdown, ASTM D149:	N/A
Nitrogen Permeability ASTM F2378:	0.02 cc/min
Creep Relaxation ASTM F38:	15% Maximum
Flexibility, ASTM F147:	12x
ASTM F104 Line Call-Out:	F712120-A9B2E21L101M6

M&Y and Proposed ASTM Gasket Constants:

THICKNESS	1/16"	1/8"
M	4.8	7.3
Y psi (MPa)	4851 (33.4)	3730 (25.7)
Gasket Constants		
Gb psi (MPa)	915 (6.3)	567 (3.9)
a	0.428	0.556
Gb psi (MPa)	0.02 (0.0001)	0.26 (0.002)

*Gasket Constants based on proposed ASTM Draft 10.1

Filled PTFE Gasket Material

Durlon: 9000/9000N Inorganic/PTFE

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DESCRIPTION

DURLON® 9000/9000N is used extensively in chemical, pulp and paper, food and beverage and the railroad tankcar industries. It has been tested and approved for liquid chlorine, caustics, liquid oxygen, and high purity applications in the pharmaceutical industry (9000N, blood components manufacturing).

APPLICATION

DURLON® 9000 and 9000N are designed for applications where resistance to highly aggressive chemicals is required. Available in unpigmented white as style 9000N. Both styles 9000 and 9000N, (including branding) conform to FDA requirements. DURLON® 9000 has been proven through the "Test Protocol" of the Chlorine Institute and is listed as an acceptable gasket material for Dry Chlorine service (both liquid and gaseous) in Pamphlet 95, Edition 3 of the Chlorine Institute. Additionally, DURLON® 9000 was independently tested and approved for Caustics service by a major chemical/chlorine manufacturer. Unlike generic glass fiber filled PTFE, the shape of the fillers used in DURLON® 9000 do not allow wicking which can cause corrosion on flange faces. DURLON® 9000/9000N has been independently tested and certified (BAM) for Oxygen service at pressures up to 585 psi (40 bar) and temperatures up to 392 °F (200°C), and for service in liquid oxygen. Gaskets for oxygen service can be supplied from distributor stocks, providing proper cleaning procedures for oxygen service are followed before installation.

DISCLAIMER

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COMPOSITION

Various shapes of inorganic fillers have been homogeneously blended with pure PTFE resins to give DURLON® 9000 its physical and mechanical properties. It is suitable for use in steel flanges and will not exhibit the cold flow problems associated with virgin PTFE or the hardness problems of some other filled PTFE products. It cuts easily and separates cleanly from flanges after use.

AVAILABLE SIZES

Durlon 9000 1/64" x 60" x 60"

Durlon 9000 1/32" x 60" x 60"

Durlon 9000 1/64" x 60" x 60"

UNBRANDED

Durlon 9000 1/32" x 60" x 60"

UNBRANDED

Durlon 9000 1/16" x 60" x 60"

Durlon 9200W 1/8" x 60" x 60"

Durlon 9000 1/8" x 60" x 60"

Durlon 9000 1/8" x 60" x 180"

Durlon 9600 1/16" x 60" x 60"

Durlon 9600 1/8" x 60" x 60"

Color:	Style 9000 - Blue, branded Style 9000N - White, branded
Filler:	Inorganic
Temperature Range:	-350 to 520 °F (-212 to 271 °C)
Pressure, max:	1500 psig (103 bar)
Fluid Services:	Steam, Oils, Liquid Chlorine, Acids, Caustics, Hydrogen Peroxide, Titanium Dioxide, Oleum, Liquid & Gaseous Oxygen
Density:	2.2 g/cm ³ (138 lbs./ft ³)
Tensile Strength,	2,000 psi (13.8 MPa)
Compressibility, ASTM F36:	8 to 16%
Recovery ASTM F36:	40%
Sealability	
ASTM F37 (Fuel A):	0.01 mL/hr
ASTM F37 (Nitrogen):	0.02 mL/hr
DIN 3535 Gas Permeability:	0.01 cc/min
TA-Luft (VDI Guideline 2440):	Approved
Temperature of exposure:	180 °C (356 °F)
Period of exposure:	48 h
Test pressure (helium):	1 bar (14.5 psig)
Leak rate:	7.55E-6 mbar*(l*m*s)
Period leak rate measured:	24 h
BAM - Oxygen Testing:	Gaseous oxygen up to 40 bar (580 psig) and 200 °C (392 °C), Liquid oxygen
Pamphlet 95, The Chlorine Institute:	Listed Table 3-1, for dry chlorine service and Table 3-3, for wet chlorine service
FDA	Conforms to the requirements of 21 CFR 177.1550 for food and drug contact.
Volume Resistivity, ASTM D257:	1.0 x 10 ⁵ ohm-cm
Dielectric Breakdown, ASTM D149:	16 kV/mm (406 V/mil)
Creep Relaxation ASTM F38:	30%
Flexibility, ASTM F147:	5x

M&Y and Proposed ASTM Gasket Constants:

THICKNESS	1/16"	1/8"
M	2.2	4.6
Y psi (MPa)	1937 (13.36)	1639 (11.3)
Gasket Constants		
Gb psi (MPa)	639 (4.4)	495 (3.41)
a	0.22	0.262
Gb psi (MPa)	55 (0.38)	65 (1.45)

*Gasket Constants based on proposed ASTM Draft 10.1