

DURLON[®] 7900/7925/7950

Aramid with NBR Rubber Binder COMPRESSED SHEET GASKET MATERIAL ASTM F104: F712120-A9B3E22K5L151M5

APPLICATION:

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.

COMPOSITION:

DURLON[®] 7900, 7925 and 7950 contain high-strength aramid 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).

TYPICAL PROPERTIES:

Color:	Style 7900 - Off-White, branded Style 7925 - Green, branded Style 7950 - Blue, branded
Fiber:	Aramid
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: Continuous, max:	-100 to 700°F (-73 to 371°C) 400°F (204°C)
Pressure, max:	1000 psig (70 bar)
Fluid Resistance - ASTM F146 IRM 903 oil, 5 h/300°F (149°C) Thickness Increase: Weight Increase: ASTM Fuel B 5 h/70°F (21°C) Thickness Increase: Weight Increase:	0 to 15% 15% 0 to 10% 12%
Sealability ASTM F37 (Fuel A): ASTM F37 (Nitrogen):	0.03 mL/hr 0.5 mL/hr
Dielectric Breakdown, ASTM D149:	11.0 kV/mm (279 V/mil)
DIN 3535 Gas Permeability:	0.05 cc/min
Creep Relaxation ASTM F38:	20%
Flexibility, ASTM F147:	10x

Note: ASTM properties based on 1/16" sheet thickness except ASTM F38, which is based on 1/32" sheet thickness. This is a general guide only and should not be the sole means of accepting or rejecting this material. The data listed here falls within the normal range of product properties but should not be used to establish specification limits nor used alone as the basis of design.

*For applications above Class 300, consult your representative.

M&Y VALUES:

THICKNESS	1/16"	1/8"
<i>M</i>	3.0	3.2
<i>Y</i> psi (MPa)	3347 (23.08)	3385 (23.34)

AVAILABLE SHEET SIZES:

Nominal Thickness	Sheet Sizes		Order Code 7900	Order Code 7950	Sheets Per Roll	Approx. Wt/Sheet lbs (kg)
	inches	mm				
1/64" 0.5mm	60 x 63	1524 x 1600	DW05-060-063	DS05-060-063	20	3 (1.4)
	60 x 126	1254 x 3200	DW05-060-126	DS05-060-126	10	7 (3.2)
1/32" 0.8mm	60 x 63	1524 x 1600	DW08-060-063	DS08-060-063	20	7 (3.2)
	60 x 126	1254 x 3200	DW08-060-126	DS08-060-126	10	14 (6.4)
1/16" 1.5mm	60 x 63	1524 x 1600	DW15-060-063	DS15-060-063	10	14 (6.4)
	60 x 126	1254 x 3200	DW15-060-126	DS15-060-126	5	28 (12.7)
	120 x 126	3048 x 3200	DW15-120-126	DS15-120-126	2	55 (25.0)
2.0mm	60 x 63	1524 x 1600	DW20-060-063	DS20-060-063	10	18 (8.2)
	60 x 126	1254 x 3200	DW20-060-126	DS20-060-126	5	38 (17.2)
	120 x 126	3048 x 3200	DW20-120-126	DS20-120-126	2	74 (33.6)
3/32" 2.5mm	60 x 63	1524 x 1600	DW25-060-063	DS25-060-063	8	22 (10.0)
	60 x 126	1254 x 3200	DW25-060-126	DS25-060-126	4	44 (20.0)
1/8" 3.0mm	60 x 63	1524 x 1600	DW30-060-063	DS30-060-063	8	28 (12.7)
	60 x 126	1254 x 3200	DW30-060-126	DS30-060-126	4	55 (25.0)
	120 x 126	3048 x 3200	DW30-120-126	DS30-120-126	1	110 (50.0)

Note: 1mm available on request. Please inquire about sizes and thicknesses not listed.

Warning: Durlon gasket materials should never be recommended when both the temperature and the pressure are at the maximums listed. Properties and applications shown are typical. No application should be undertaken by anyone without independent study and evaluation for suitability. Never use more than one gasket in one flange joint, and never reuse a gasket. Improper use or gasket selection could cause property damage and/or serious personal injury. The data reported is a compilation of field testing, field service reports and/or in-house testing. While the utmost care has gone into publishing the information contained herein, we assume no responsibility for errors. The information and specifications contained in this website are subject to change without notice. This revision cancels and obsoletes all previous editions.