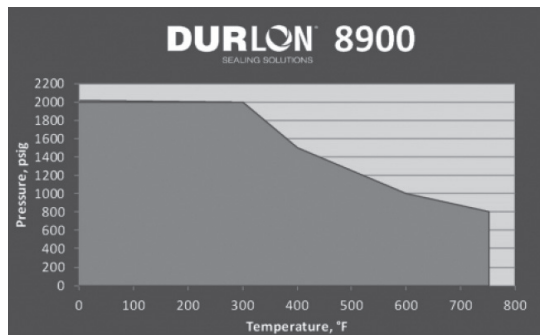


Aramid-Graphite with NBR Rubber Binder Compressed Asbestos Free Gasket Material ASTM F104: F712120-A9B2E21L101M6



A premium grade material for service conditions to 496°C (925°F) and continuous operating temperatures of -73°C to 400°C (-100°F to 752°F). Suitable for saturated and superheated steam, oil, dilute acids and alkalis, hydrocarbons, and solvents. Durlon® 8900 has achieved the requirements of the Fire Test Certification ANSI/API 607, 6th Edition with zero leakage.



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/48hrs).

Colour	Black
Fiber System	Aramid/Inorganic
Binder	NBR
Temp.: Min Max Continuous, Max	-73°C (-100°F) 496°C (925°F) 400°C (752°F)
Pressure, max, bar (psi)	138 (2,000)
Density, g/cc (lbs/ft³)	1.6 (100)
Compressibility, %	7-17
Recovery, %	50
Creep Relaxation, %	15
Tensile Strength, MPa (psi)	13.8 (2,000)
Sealability, cc/min ASTM 2378 (Nitrogen)	0.2
Fluid Resistance, ASTM F146 IRM 903 Oil 5hrs at 300°F Thickness Increase, % Weight Increase, % ASTM Fuel B 5hrs at 70°F Thickness Increase, % Weight Increase, %	3 15 4 12
Flexibility, ASTM F147	12x
Volume Resistivity, ohm-cm ASTM D257	4.01 x 10 ⁰
Stress Relaxation, DIN 52913 @ 7,252psi (50 MPa) 16 hr @ 347°F (175°C) 16 hr @ 572°F (300°C)	6,500 (44.8) Min. 6,000 (41.4) Min.

Gasket Factors

	1/16"	1/8"
m	4.8	7.3
Y psi (MPa)	4,851 (33.4)	3,730 (25.7)
G _b psi (MPa)	915 (6.3)	567 (3.9)
a	0.428	0.556
G _s psi (MPa)	0.02 (0.0001)	.26 (0.002)

Note: ASTM properties are 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 specifications limits nor used alone as the basis of design. For applications above Class 300, contact our technical department.