

Durlon 8900

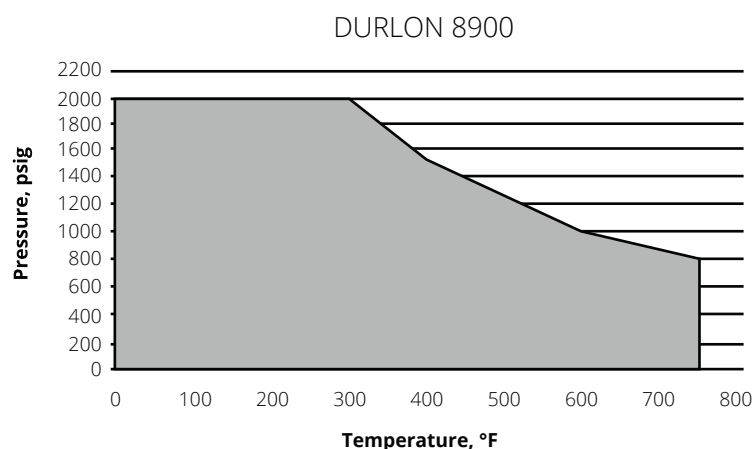
Colour	Black
Fiber System	Aramid/Inorganic
Binder	NBR
Temperature	
Min	-73°C (-100°F)
Max	496°C (925°F)
Continuous, Max	400°C (752°F)
Pressure, max, bar (psi)	138 (2,000)
Density, g/cc (lbs/ft ³)	1.6 (100)
Compressibility, %	7-17
ASTM F36	
Recovery, %	50
ASTM F36	
Creep Relaxation, %	15
ASTM F38	
Tensile Strength, across grain	13.8 (2,000)
ASTM F152, MPa (psi)	
Fluid Resistance, ASTM F146	
IRM 903 Oil 5hrs at 300°F	
Thickness Increase, %	3
Weight Increase, %	15
ASTM Fuel B 5hrs at 70°F	
Thickness Increase, %	4
Weight Increase, %	12
Sealability, cc/min	0.2
ASTM F2378 (Nitrogen)	
Volume Resistivity, ohm-cm	4.01 x 10 ⁹
ASTM D991	
Flexibility	12x
ASTM F147	
Stress Relaxation, DIN 52913	
@ 7,252psi (50 MPa)	
16 hr @ 347°F (175°C)	6,500 (44.8) Minimum
16 hr @ 572°F (300°C)	6,000 (41.4) Minimum

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.

Durlon 8900

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

DURLON® 8900 is a premium grade compressed non-asbestos sheet gasket material for service conditions to 496°C (925°F) and continuous operating temperatures of -73°C to 400°C (-100°F to 752°F), or 13.8 MPa (200 psi). It is 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.



Gasket Factors	1/16"	1/8"
m	4.8	7.3
Y, psi (MPa)	4,851 (33.4)	3,730 (25.70)
Gb, psi (MPa)	915 (6.3)	567 (3.9)
a	0.428	0.556
Gs, psi (MPa)	0.02 (0.0001)	0.26 (0.02)

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).