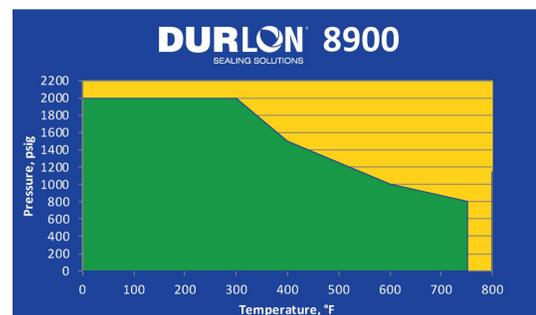


Colour	Black
Fibre System	Aramid/Inorganic
Binder	NBR
Temperature	
Min	-73°C (-100°F)
Max	496°C (925°F)
Continuous, Max	400°C (752°F)
Pressure, max, bar (psi)	138 (2,000)
Density, g/cc (lbs/ft <sup>3</sup> )	1.6 (100)
Compressibility, % ASTM F36	7-17
Recovery, % ASTM F36	50
Creep Relaxation, % ASTM F38	15
Tensile Strength, across grain ASTM F152, MPa (psi)	13.8 (2,000)
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 ASTM F2378 (Nitrogen)	0.2
Volume Resistivity, ohm-cm ASTM D991	4.01 x 10 <sup>0</sup>
Flexibility ASTM F147	12x
Stress Relaxation, DIN 52913 @ 7,252psi (50 MPa) 16 hr @ 347°F (175°C) 16 hr @ 572°F (300°C)	6,500 (44.8) Minimum 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 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)
G <sub>b</sub> , psi (MPa)	915 (6.3)	567 (3.9)
a	0.428	0.556
G <sub>s</sub> , 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).

Durlon 8900 REV 2016-5

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