

DURLON®

8900

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

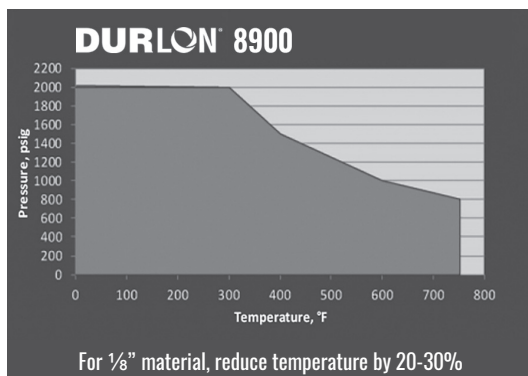
A premium grade material for service conditions to 496°C (925°F) and continuous operating temperatures of -40°C to 400°C (-40°F to 752°F). Durlon® 8900 is ideal for saturated and superheated steam, oil, dilute acids and alkalis, hydrocarbons and solvents.

INDUSTRY APPLICATIONS:

- Chemical Processing
- Water & Wastewater
- Petrochemical
- Food & Beverage
- General Industry
- Refining
- Mining
- OEM Services
- Oil & Gas

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)	0.26 (0.002)

Certifications	
ANSI/API 607 Fire Test	6th Ed., Zero leakage
RoHS Reach Declaration	Compliant



Physical Properties	
Color	Black
Fiber System	Aramid/Inorganic
Binder	NBR
Temperature:	
Min	-40°C (-40°F)
Max	496°C (925°F)
Continuous, Max	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)
Nitrogen Sealability ASTM 2378, cc/min	0.2
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
Flexibility, ASTM F147	12x
Volume Resistivity ASTM D257, ohm-cm	4.01 x 10 ⁰
Stress Relaxation, DIN 52913 @ 7,252psi (50 MPa)	
16 hr @ 347°F (175°C)	6,500 (44.8) Min.
16 hr @ 572°F (300°C)	6,000 (41.4) Min.

Warning: Durlon® gasket materials should never be recommended when both temperature and pressure are at the maximum listed. Properties and applications stated are typical. No applications 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 injury. 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. Specifications and information contained in this flyer are subject to change without notice. This edition cancels and obsoletes all previous editions.

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.