DURLON®
SEALING SOLUTIONS

8500

Aramid/Inorganic with NBR Rubber Binder Compressed Non-Asbestos Gasket Material ASTM F104: F712120-A9B3E12K5L151M6



A high performance compressed gasket material for use in process industries including pulp & paper, food & beverage, pharmaceutical, hydrocarbon, chemical, refinery and general industry.

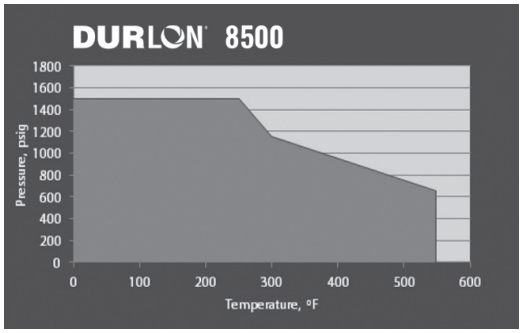
INDUSTRY APPLICATIONS:

- Chemical Processing
- Food & Beverage
- Mining
- Water & Waste Water
- General/Heavy Industry
- OEM Services
- Petrochemical
- Refining

Physical Properties	
Color	Green
Fiber System	Aramid/Inorganic
Binder	NBR
Temp.: Min Max Continuous, Max	-73°C (-100°F) 371°C (700°F) 287°C (548°F)
Pressure, max, bar (psi)	103 (1,500)
Density, g/cc (lbs/ft^3)	1.7 (106)
Compressibility, %	8-16
Recovery, %	50
Creep Relaxation, %	20
Tensile Strength, MPa (psi)	13.8 (2,000)
Sealability ASTM 2378 (Nitrogen)	0.03 cc/min
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, %	 0-15 15 0-10 10
Flexibility, ASTM F147	10x
Volume Resistivity, ohm-cm ASTM D257	4.2 x 10^{13}
Dielectric Breakdown ASTM D149, kV/mm (V/mil)	11.7 (297)

Gasket Factors	1/16”	1/8”
m	2.7	4.2
Y psi (MPa)	2,359 (16.3)	2,931 (20.2)
G_b psi (MPa)	650 (4.5)	400 (2.8)
a	0.33	0.35
G_s psi (MPa	200 (1.4)	20 (0.1)

Certifications	
California Prop 65	Compliant
RoHS Reach Declaration	Compliant
API 6FB Fire Test	With avg. temp >650°C, 30 mins, 40 bar, 1 ml (inch/min.) max allowable leakage
FDA	Conforms to the requirements of 21 CFR 177.2600



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.

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 within are subject to change without notice. This edition cancels and obsoletes all previous editions.

Durlon is a registered trademark of Triangle Fluid Controls Ltd. and Gasket Resources Inc.
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