DURLON®
SEALING SOLUTIONS

5000

Mineral Fiber with NBR Rubber Binder Compressed Non-Asbestos Gasket Material ASTM F104: F712120-A9B4E12K5L051M5

A good quality commercial grade compressed non-asbestos sheet with good chemical resistance for moderate service conditions suitable for oil, water, mild alkalis, mild acids, hydrocarbons and solvents.

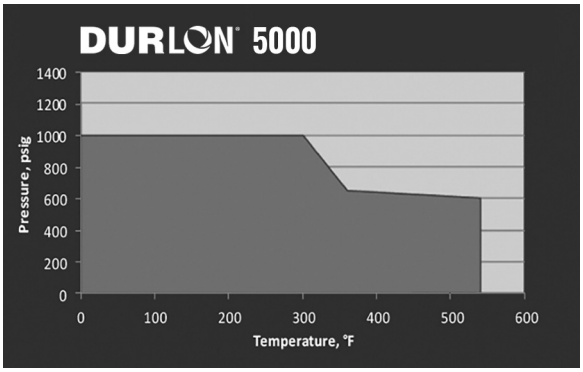
INDUSTRY APPLICATIONS:

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

Physical Properties	
Color	Light Green
Fiber System	Inorganic
Binder	NBR
Temperature: Min Max Continuous, Max	 -73°C (-100°F) 288°C (550°F) 232°C (450°F)
Pressure, max, bar (psi)	69 (1,000)
Density, g/cc (lbs/ft^3)	1.7 (106)
Compressibility, %	7-17
Recovery, %	40
Creep Relaxation, %	25
Tensile Strength, MPa (psi)	10.3 (1,500)
Nitrogen Sealability, ASTM 2378	0.05 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 10 0-10 10
Flexibility, ASTM F147	10x

Gasket Factors	1/16”	1/8”
m	1.5	2.5
Y psi (MPa)	1,855 (12.8)	2,619 (18.1)
G_b psi (MPa)	474 (3.3)	902 (6.2)
a	0.256	0.253
G_s psi (MPa	48 (0.3)	4 (0.03)

Certifications	
RoHS Reach Declaration	Compliant



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.

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