

DURLON®

8700

Aramid/Inorganic with CR Rubber Binder
Compressed Non-Asbestos Gasket Material
ASTM F104: F712330-A9B5E45K5L153M5

Durlon® 8700 is a high performance gasket material for use in processes requiring a neoprene (CR) bonded sheet and has excellent hand and die cutting characteristics. This product has excellent resistance to ozone, oils, non-aromatic solvents and many refrigerants.

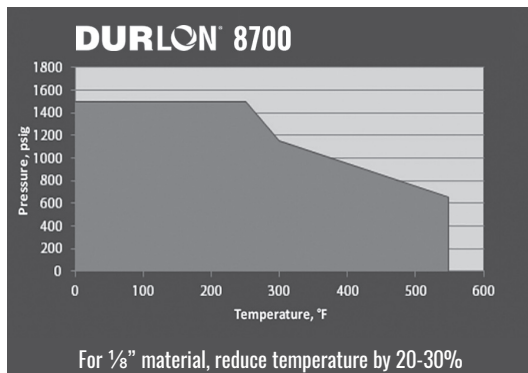
INDUSTRY APPLICATIONS:

- Chemical Processing
- General Industry
- Mining
- OEM Services
- Oil & Gas

| Gasket Factors | 1/16" | 1/8" |
|--------------------------|--------------|---------------|
| m | 3.1 | 5 |
| Y psi (MPa) | 3,127 (21.6) | 4,000 (27.6) |
| G ₁ psi (MPa) | 546 (3.8) | 758 (5.2) |
| a | 0.455 | 0.34 |
| G _s psi (MPa) | 12 (0.083) | 0.01 (0.0001) |

Certifications

| | |
|---------------------------|-----------|
| California Proposition 65 | Compliant |
| RoHS Reach Declaration | Compliant |



| Physical Properties | |
|--|------------------------|
| Color | Blue |
| Fiber System | Aramid/Inorganic |
| Binder | CR |
| Temperature: | |
| Min | -40°C (-40°F) |
| Max | 371°C (700°F) |
| Continuous, Max | 287°C (548°F) |
| Pressure, Max, bar (psi) | 103 (1,500) |
| Density, g/cc (lbs/ft³) | 1.7 (106) |
| Compressibility, % | 8-16 |
| Recovery, % | 45 |
| Creep Relaxation, % | 20 |
| Tensile Strength, MPa (psi) | 10.3 (1,500) |
| Nitrogen Sealability ASTM 2378, cc/min | 0.05 |
| Fluid Resistance, ASTM F146 IRM 903 Oil 5hrs at 300°F | |
| Thickness Increase, % | 10-15 |
| Weight Increase, % | 20 |
| ASTM Fuel B 5hrs at 70°F | |
| Thickness Increase, % | 5-20 |
| Weight Increase, % | 20 |
| Flexibility, ASTM F147 | 8x |
| Volume Resistivity ASTM D257, ohm-cm | 4.2 x 10 ¹³ |
| Dielectric Breakdown ASTM D149, kV/mm (V/mil) | 11.7 (297) |

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.