

DURLON® 9200

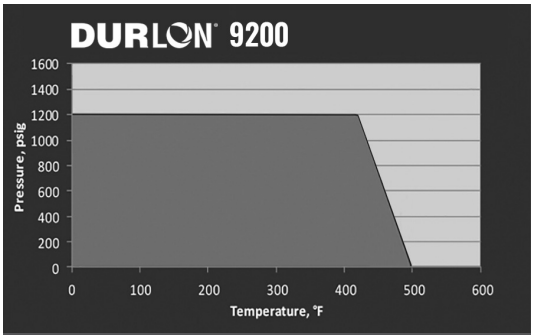
Barium Sulfate Filler with Pure PTFE Resins Filled PTFE Gasket Material
ASTM F104: F452111-A9B5E11K6M5

Durlon® 9200 is a filled PTFE gasket material used where resistance to highly aggressive chemicals is required. Barium sulfate fillers are homogeneously blended with pure PTFE resins to give Durlon® 9200 its physical and mechanical properties. Testing shows the fillers to be more evenly dispersed than filled PTFE with layered construction (HS-10 manufacturing method). The result is more consistent physical and mechanical properties without the voids, separation and chemical compatibility problems found in layered filled PTFE.

INDUSTRY APPLICATIONS:

- Chemical Processing
- Food & Beverage
- General/Heavy Industry
- Marine
- Mining
- OEM Services
- Oil & Gas
- Petrochemical
- Pharmaceutical
- Power Generation
- Pulp & Paper
- Rail Tank Car
- Water & Wastewater

Certifications	
FDA	Conforms to the requirements of 21 CFR 177.1550 for food and drug contact
TA-luft (VDI Guideline 2440)	Approved Material
BAM Oxygen Service	Approved Material
ABS-PDA & Pamphlet 95	Approved Material
(EC) 1935/2004 & EU	Approved Material
Blow-Out & DVGW	Approved Material



For ⅛" material, reduce temperature by 20-30%

Physical Properties	
Color	Off White
Filler System	Barium Sulfate
Temperature: Min Max	 -268°C (-450°F) 260°C (500°F)
Operating Pressure, bar (psi)	83 (1,203)
Compressibility, %	4-10
Recovery, %	40
Creep Relaxation, %	15
Tensile Strength, MPa (psi)	14 (2,030)
Leakage Rate TA-Luft (VDI 2440), mbar .l/(s.m)	5.9×10^{-7}
Leakage Rate DIN 3535-6 (40bar, N2), ml/min	<0.01
Residual Stress DIN 52913, MPa (psi)	16 (2,320)

Gasket Factors	1/16"	1/8"
m	1.5	4.2
Y psi (MPa)	952 (6.5)	827 (5.7)
G_b psi (MPa)	153 (1.1)	96 (0.66)
a	0.360	0.437
G_s psi (MPa)	15 (0.1)	14 (0.1)

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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