DURLON®
SEALING SOLUTIONS

9200

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

Physical Properties	
Color	Granite White
Filler System	Barium Sulfate
Temp.: Min Max Continuous, Max	 -212°C (-350°F) 271°C (520°F) 260°C (500°F)
Pressure, max, bar (psi)	103 (1,500)
Density, g/cc (lbs/ft^3)	2.5 (156)
Compressibility, %	8-16
Recovery, %	35
Creep Relaxation, %	30
Tensile Strength, MPa (psi)	13.2 (1,920)
Sealability ASTM 2378 (Nitrogen)	 0.01 cc/min
Leakage, mbar .1 (m .5) TA-Luft (VDI 2440) iBar (14.5 psi) @200°C (392°F)	1.89 x 10^{-5}

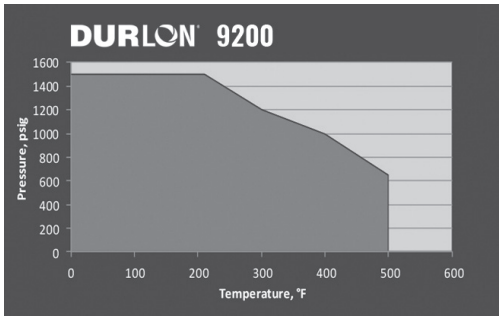
Gasket Factors	1/16”	1/8”
m	1.5	4.2
Y psi (MPa)	952 (6.5)	827 (5.7)
G_b psi (MPa)	153 (1.1)	96 (0.66)
a	0.360	0.437
G_s psi (MPa	15 (0.1)	14 (0.1)

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 & Waste Water

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: gaseous & liquid	Up to 260°C (500°F) at 52 bar (754 psi)
ABS-PDA & Pamphlet 95	Approved Material, chlorine ins., DNV-GL
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.

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Gasket Resources Inc., Downington, PA, USA • gasketresources.com • tech@gasketresources.com • Toll-free: 866-707-7300 - **REV. 2020/07**