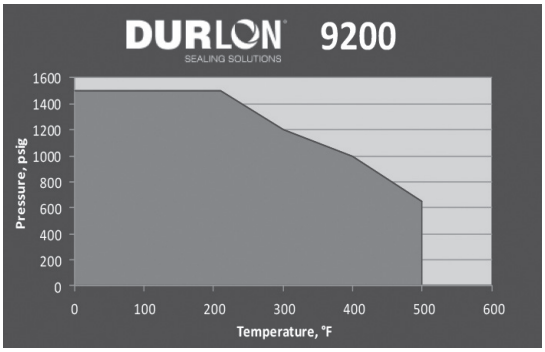
DURLON®
SEALING SOLUTIONS

9200

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

Colour	Granite White
Fiber 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, cc/min ASTM 2378 (Nitrogen)	0.01
Leakage, mbar .1 (m .5) TA-Luft (VDI 2440) TBar (14.5 psi) @180°C (392°F)	7.55 x 10^{-6}

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 designed for use in process piping and equipment in chemical, pulp & paper, food & beverage and other general industrial applications. It can be used where resistance to highly aggressive chemicals is required and conforms to FDA requirements, ABS-PDA, BAM and TA-luft (VDI Guideline 2440) certifications.

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. The result is more consistent physical and mechanical properties without the voids, separation and chemical compatibility problems found in layered filled PTFE. It is suitable for use in steel flanges and will not exhibit the cold flow problems associated with virgin or generic skived PTFE, or the hardness problems of some other filled PTFE products.

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 in this flyer are subject to change without notice. This edition cancels and obsoletes all previous editions. **REV. 2019/04**

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