

DURLON[®] 9200

Barium Sulfate Filler with Pure PTFE Resins
FILLED PTFE GASKET MATERIAL
ASTM F104: F452111-A9B5E11K6M6

APPLICATION:

Durlon[®] 9200 is a filled PTFE gasket material designed for use in process piping and equipment in chemical, pulp and paper, food and beverage, and other general industrial applications. It can be used where resistance to highly aggressive chemicals is required.

Durlon[®] 9200 is suitable for hydrofluoric acid service at moderate concentrations and temperatures or where a barium sulfate filled PTFE gasket material is specified. This product conforms to FDA requirements.

COMPOSITION:

Barium sulfate fillers are homogeneously blended with pure PTFE resins to give Durlon[®] 9200 its physical and mechanical properties. Independent testing has shown the fillers in Durlon[®] 9200 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.

TYPICAL PROPERTIES:

Colour	Granite White
Filler System	Barium Sulfate
Temperature Minimum Maximum Continuous, max	-350°F (-212°C) 520°F (271°C) 500°F (260°C)
Pressure, max, psi (bar)	1,500 (103)
Density, g/cc (lbs/ft ³)	2.5 (156)
Compressibility, % ASTM F36	8-16
Recovery, % ASTM F36	35
Creep Relaxation, % ASTM F38	30
Tensile Strength across grain ASTM F152, psi (MPa)	1,920 (13.2)
Nitrogen Sealability, cc/min ASTM F2378	0.01

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 specification limits nor used alone as the basis of design. For applications above Class 300, consult your representative.

AVAILABLE SIZES:

Nominal Thickness		Sheet Sizes	
		Inches	mm
1/64"	0.5mm	60 x 60	1524 x 1524
1/32"	0.8mm	60 x 60	1524 x 1524
	1.0mm	60 x 60	1524 x 1524
1/16"	1.5mm	60 x 60	1524 x 1524
	2.0mm	60 x 60	1524 x 1524
3/32"	2.5mm	60 x 60	1524 x 1524
1/8"	3.0mm	60 x 60	1524 x 1524

Warning: Durlon® gasket materials should never be recommended when both temperature and pressure are at the maximum listed. Properties and applications in this book are typical. No application 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 personal injury. Data reported in this book 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 book are subject to change without notice. This edition cancels and obsoletes all previous editions.



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