

DURLON[®] 9400

Carbon Filler with Pure PTFE Resins
FILLED PTFE GASKET MATERIAL
ASTM F104: F452111-A9B5E11M6

APPLICATION:

Durlon[®] 9400 is a high performance filled PTFE gasket material designed for use in piping and equipment in chemical, pharmaceutical, food and beverage, and other general industrial applications where resistance to highly aggressive chemicals (including hydrofluoric acid) is required.

Durlon[®] 9400 can also be used as the gasketing of choice for anhydrous hydrogen fluoride (AHF) in railroad tankcars and in plants where barium sulfate filled PTFE may not prove suitable. This product conforms to FDA requirements.

COMPOSITION:

Durlon[®] 9400 is made of pure PTFE resins combined with carbon fillers homogeneously dispersed throughout the compound. Durlon[®] 9400 does not exhibit the cold flow problems associated with virgin PTFE yet it has excellent sealability, flexibility, non-sticking, and cutting characteristics. Durlon[®] 9400 demonstrates good electrical conducting properties.

TYPICAL PROPERTIES:

Colour	Black
Filler System	Carbon
Temperature Minimum Maximum Continuous, max	-350°F (-212°C) 550°F (288°C) 500°F (260°C)
Pressure, max, psi (bar)	1,500 (103)
Density, g/cc (lbs/ft ³)	2.1 (135)
Compressibility, % ASTM F36	5-12
Recovery, % ASTM F36	40
Creep Relaxation, % ASTM F38	30
Tensile Strength across grain ASTM F152, psi (MPa)	2,100 (14.5)
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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