DURLON®
SEALING SOLUTIONS

9400

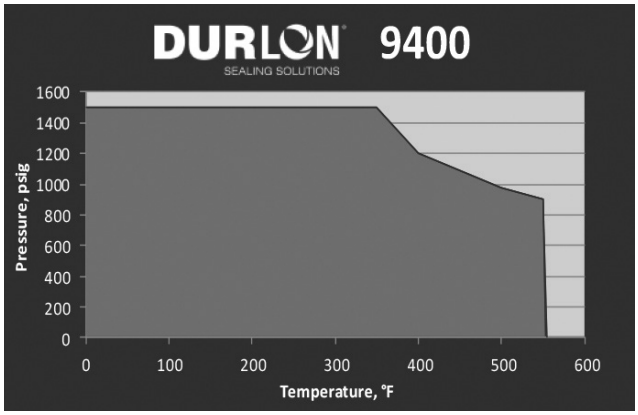
Carbon Filler with Pure PTFE Resins Filled PTFE Gasket Material

ASTM: F452111-A9B5E11K6M6

Colour	Black
Filler System	Carbon
Temp.: Min Max Continuous, Max	-212°C (-350°F) 288°C (550°F) 260°C (500°F)
Pressure, max, bar (psi)	103 (1,500)
Density, g/cc (lbs/ft^3)	2.1 (131)
Compressibility, %	5-12
Recovery, %	40
Creep Relaxation, %	30
Tensile Strength, MPa (psi)	14.5 (2,100)
Sealability, cc/min ASTM 2378 (Nitrogen)	0.01
Volume Resistivity, ohm-cm ASTM D257	61
Dielectric Breakdown ASTM D149, kV/mm (V/mil)	1 (33)

Gasket Factors		
	1/16”	1/8”
m	6.8	
Y psi (MPa)	2,765 (19.1)	
G_b psi (MPa)	1,701 (11.7)	1,412 (9.7)
a	0.173	0.164
G_s psi (MPa)	99 (0.68)	248 (1.7)

Durlon® 9400 is a high performance filled PTFE gasket material designed for use in piping and equipment, chemical, and other general industrial applications where resistance to highly aggressive chemicals (including hydrofluoric acid) is required. Durlon® 9400 can also be used as the gasket of choice for anhydrous hydrogen fluoride (AHF) in railroad tank cars and a good alternative for use in plants where barium sulfate filled PTFE may not be suitable.



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.

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