

## Inorganic Filler with Pure PTFE Resins Filled PTFE Gasket Material ASTM F104: F452111-A9B5E11K6M6

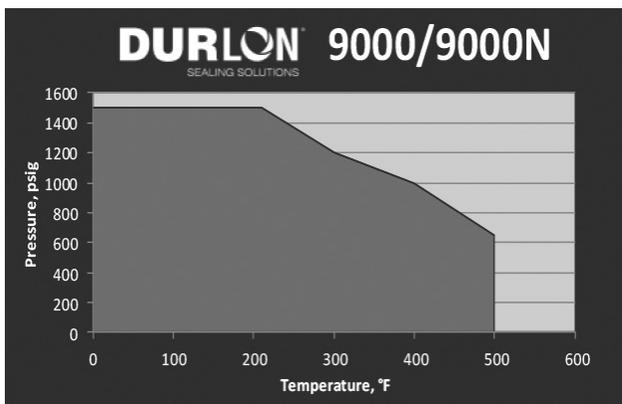
Colour	Blue
Filler System	Inorganic
Temp.: Min Max Continuous, Max	-212°C (-350°F) 271°C (520°F) 260°C (500°F)
Pressure, max, bar (psi)	103 (1,500)
Density, g/cc (lbs/ft³)	2.2 (138)
Compressibility, %	8-16
Recovery, %	40
Creep Relaxation, %	30
Tensile Strength, MPa (psi)	13.8 (2,000)
Sealability, cc/min 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 <sup>-6</sup>
Volume Resistivity, ohm-cm ASTM D257	1.0 x 10 <sup>5</sup>
Dielectric Breakdown ASTM D149, kV/mm (V/mil)	16 (406)



Durlon® 9000 is for use in process piping and equipment in chemical, pulp & paper, food & beverage (conforms to FDA requirements and USP Class VI certified), pharmaceutical and other general industrial applications where resistance to highly aggressive chemicals is required. In addition, the shape of the fillers do not allow wicking which can cause corrosion on flange surfaces.

Durlon® 9000 has achieved numerous certifications: WRAS (Water Regulations Advisory Scheme) Approved Material, USP Class VI, FDA and (EC) 1935/2004 & EU (10/2011) compliant, BAM oxygen service, TA-luft (VDI Guideline 2440), ABS-PDA & Pamphlet 95, the chlorine institute, DNV-GL. And has passed the API 6FA fire test.

Gasket Factors		
	1/16"	1/8"
m	2.2	4.6
Y psi (MPa)	1,937 (13.4)	1,639 (11.3)
G <sub>b</sub> psi (MPa)	639 (4.4)	495 (3.4)
a	0.220	0.262
G <sub>s</sub> psi (MPa)	55 (0.379)	65 (0.448)



Fire Testing: 6 inch Class 300 Durlon® 9000 gasket passed the API Standard 6FA Fire Test. The test fixture was subjected to an external flame of 875°C (1607°F) average for 30 minutes. The measured leakage was 1.8 ml/min, where the max allowable limit is 1200ml/min.

Durlon® 9000 is made with Teflon™ fluoropolymer. Teflon™ is a trademark of The Chemours Company FC, LLC used under license by Triangle Fluid Controls Ltd.



**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.