

Colour	9000 - Blue 9000N - White
Filler System	Inorganic
Temperature	
Min	-212°C (-350°F)
Max	271°C (520°F)
Continuous, Max	260°C (500°F)
Pressure, max, bar (psi)	103 (1,500)
Density, g/cc (lbs/ft ³)	2.2 (138)
Compressibility, % ASTM F36	8-16
Recovery, % ASTM F36	40
Creep Relaxation, % ASTM F38	30
Tensile Strength, across grain ASTM F152, MPa (psi)	13.8 (2,000)
Sealability ASTM F2378 (Nitrogen), cc/min	0.01
Volume Resistivity, ohm-cm ASTM D257	1.0 x 10 ⁵
Dielectric Breakdown ASTM D149, kV/mm (V/mil)	16 (406)
Flexibility ASTM F147	5x

Durlon® 9000 is designed for use in process piping and equipment in chemical, pulp and paper, food and beverage and other general industrial applications where resistance to highly aggressive chemicals is required. Available in un-pigmented white as style 9000N, both styles conform to FDA requirements. Various shapes of inorganic filler have been homogeneously blended with pure PTFE resins to give Durlon® 9000 its physical and mechanical properties. It is suitable for use in steel flanges and will not exhibit the cold flow problems associated with virgin PTFE, or the hardness problems of some other filled PTFE products. Unlike generic glass fiber filled PTFE, the shape of the fillers used in Durlon® 9000 do not allow wicking which can cause corrosion on flange surfaces.

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

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.



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.

Durlon® 9000 has achieved numerous certifications such as: USP Class VI, FDA and (EC) 1935/2004 & EU (10/2011) compliant, BAM oxygen service, TA-luft (VDI Guideline 2440), ABS & Pamphlet 95, the chlorine institute, DNV-GL (Det Norske Veritas—Germanischen Lloyd).

Durlon 9000/9000N REV 2017-1

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