



Durlon 9002

Colour	Blue
Fiber 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/ft3)	2.2 (138)
Compressibility, %	8-16
ASTM F36	
Recovery, %	40
ASTM F36	
Creep Relaxation, %	30
ASTM F38	
Tensile Strength, across grain	13.8 (2,000)
ASTM F152, MPa (psi)	
Sealability, cc/min	0.01
ASTM F2378 (Nitrogen)	
Volume Resistivity, ohm-cm	1.0 x 10 ⁵
ASTM D991	
Dielectric Breakdown	16 (406)
ASTM D149, kV/mm (V/mil)	
Flexibility	5x
ASTM F147	

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 9002

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

Durlon 9002 is an adaptation of the original glass-filled formula to better meet extreme cryogenic system demands. Durlon 9002 has passed both gaseous, [up to 260°C (500°F) and 52 bar (754 psi)] and liquid oxygen tests performed by BAM Federal Institute of Materials Research and Testing. Durlon 9002 has also been tested for LOX Mechanical Impact Sensitivity (ASTM G86 & ISO 21010), passing with zero reactions out of twenty tests (0/20) at a test reaction frequency of 0%.

Durlon 9002 is readily available through the standard manufacturing process and requires no secondary heat or cleansing treatments prior to gasket cutting. Once gaskets are cut, traditional oxygen cleaning standards must be applied for safety. Durlon 9002 comes available as oxygen cleaned gaskets, bagged, labelled, and sealed according to the European Industrial Gases Association standard for Cleaning of Equipment for Oxygen Service.

Durlon 9002 has achieved numerous certifications including FDA, BAM oxygen service, and LOX mechanical impact sensitivity certifications, DNV-GL.

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