

Garlock GYLON[®] 3510 PTFE Gasketing, Barium Sulfate Filler

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE

Material Notes:

PTFE with barium sulfate filler. Improved sealing performance over conventional PTFE. Unique manufacturing process minimizes cold flow problems typical of skived and expanded PTFE sheets. Excellent bolt torque retention. Withstands a wide range of chemicals for extended service life. Media: Strong caustics, Moderate acids, Chlorine, Gases, Water, Steam, Hydrocarbons, Cryogenics and aluminum fluoride. Information provided by Garlock Rubber Technologies

Order this product through the following link:

http://www.lookpolymers.com/polymer_Garlock-GYLON-3510-PTFE-Gasketing-Barium-Sulfate-Filler.php

Physical Properties	Metric	English	Comments
Permeability	0.015	0.015	Gas Permeability, cc/min; DIN 3535 Part 4

Mechanical Properties	Metric	English	Comments
Tensile Strength	13.8 MPa	2000 psi	across grain; ASTM F152

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	260 Å°C @Pressure 8.27 MPa	500 Å°F @Pressure 1200 psi	Continuous
Minimum Service Temperature, Air	-268 Å°C	-450 Å°F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	>= 18.3 kV/mm @Temperature 121 Å°C, Time 10800 sec	>= 466 kV/in @Temperature 250 Å°F, Time 3.00 hour	0.0625 in. thickness; ASTM D149
	2.32 kV/mm @Thickness 1.59 mm	59.0 kV/in @Thickness 0.0625 in	100% RH for 96 hours; ASTM D149

Descriptive Properties	Value	Comments
Color	Off-White	
Compressibility, %	4-10	ASTM F36
Creep Relaxation, %	11	ASTM F38
Sealability ASTM F37B, ml/hr	0.04	ASTM Fuel A

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