

Garlock GYLON® 3500 PTFE Gasketing, Silica Filler

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE

Material Notes:

PTFE with silica 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 acids (except hydrofluoric), Solvents, Hydrocarbons, Water, Steam, Chlorine, Cryogenics. Information provided by Garlock Rubber Technologies

Order this product through the following link:

http://www.lookpolymers.com/polymer_Garlock-GYLON-3500-PTFE-Gasketing-Silica-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 Â°C @Pressure 8.27 MPa	500 Â°F @Pressure 1200 psi	Continuous
Minimum Service Temperature, Air	-268 Â°C	-450 Â°F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	14.3 kV/mm @Temperature 121 Â°C, Time 10800 sec	362 kV/in @Temperature 250 Â°F, Time 3.00 hour	0.0625 in. thickness; ASTM D149
	2.40 kV/mm @Thickness 1.59 mm	61.0 kV/in @Thickness 0.0625 in	100% RH for 96 hours; ASTM D149

Descriptive Properties	Value	Comments
Color	Fawn	
Compressibility, %	7-12	ASTM F36
Creep Relaxation, %	18	ASTM F38
Sealability ASTM F37B, ml/hr	0.22	ASTM Fuel A

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