

Garlock GYLON[®] 3545 Layered Microcellular PTFE Gasketing

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE

Material Notes:

Microcellular PTFE gasket with rigid PTFE core
Highly compressible PTFE outer layers seal under low bolt load- suitable for many non-metallic flanges
Compressible layers conform to surface irregularities, especially on warped, pitted or scratched flanges
Rigid PTFE core reduces cold flow and creep normally associated with conventional PTFE gaskets
Media: Strong caustics, strong acids, hydrocarbons, chlorine and cryogenics.
Conforms to FDA regulations.
Information provided by Garlock Rubber Technologies

Order this product through the following link:

http://www.lookpolymers.com/polymer_Garlock-GYLON-3545-Layered-Microcellular-PTFE-Gasketing.php

Physical Properties	Metric	English	Comments
Density	2.05 g/cc	0.0741 lb/in ³	estimated by MatWeb
Permeability	0.015	0.015	Gas Permeability, cc/min; DIN 3535 Part 4

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	9.61 kV/mm @Temperature 121 Å°C, Time 10800 sec	244 kV/in @Temperature 250 Å°F, Time 3.00 hour	0.125 in. thickness; ASTM D149
	9.76 kV/mm @Temperature 121 Å°C, Time 10800 sec	248 kV/in @Temperature 250 Å°F, Time 3.00 hour	0.0625 in. thickness; ASTM D149
	8.74 kV/mm @Thickness 1.59 mm	222 kV/in @Thickness 0.0625 in	100% RH for 96 hours; ASTM D149
	10.4 kV/mm @Thickness 3.17 mm	264 kV/in @Thickness 0.125 in	100% RH for 96 hours; ASTM D149

Compliance Properties	Metric	English	Comments
FDA	Yes	Yes	

Descriptive Properties	Value	Comments
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Color Descriptive Properties	White Value	Comments
Compressibility, %	70-85	ASTM F36
Creep Relaxation, %	10	ASTM F38
Sealability ASTM F37B, ml/hr	0.15	ASTM Fuel A

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