

Garlock GYLON[®] 3540 Microcellular PTFE Gasketing

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE

Material Notes:

Microcellular PTFE. Highly compressible PTFE seals under low bolt load- suitable for many non-metallic flanges. Compressible material conforms to surface irregularities, especially on warped, pitted or scratched flanges. Reduced cold flow and creep normally associated with conventional PTFE gaskets. Media: Strong caustics, strong acids, hydrocarbons, chlorine, cryogenics, glass-lined equipment. Information provided by Garlock Rubber Technologies

Order this product through the following link:

http://www.lookpolymers.com/polymer_Garlock-GYLON-3540-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	2.40 kV/mm @Temperature 121 Å°C, Time 10800 sec	61.0 kV/in @Temperature 250 Å°F, Time 3.00 hour	0.125 in. thickness; ASTM D149
	3.39 kV/mm @Temperature 121 Å°C, Time 10800 sec	86.0 kV/in @Temperature 250 Å°F, Time 3.00 hour	0.0625 in. thickness; ASTM D149
	0.630 kV/mm @Thickness 1.59 mm	16.0 kV/in @Thickness 0.0625 in	100% RH for 96 hours; ASTM D149

Descriptive Properties	Value	Comments
Color	White	
Compressibility, %	70-85	ASTM F36
Creep Relaxation, %	10	ASTM F38
Sealability ASTM F37B, ml/hr	0.25	ASTM Fuel A

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