

Guarniflon PTFE G300 Polytetrafluoroethylene

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE , Polytetrafluoroethylene (PTFE), Extruded

Material Notes:

A virgin PTFE with low coefficient of friction, excellent chemical inertness, non-adhesive surface, wide service temperature range, and excellent dielectric properties. Information provided by Guarniflon®

Order this product through the following link:

http://www.lookpolymers.com/polymer_Guarniflon-PTFE-G300-Polytetrafluoroethylene.php

Physical Properties	Metric	English	Comments
Density	2.13 - 2.20 g/cc	0.0770 - 0.0795 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength	>= 18.0 MPa	>= 2610 psi	extruded; ASTM D1708
Elongation at Break	>= 180 %	>= 180 %	extruded; ASTM D1708
Compressive Yield Strength	4.00 - 6.00 MPa @Strain 1.00 %	580 - 870 psi @Strain 1.00 %	ASTM D695
Coefficient of Friction, Dynamic	0.060	0.060	ASTM D1894

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	260 °C	500 °F	
Minimum Service Temperature, Air	-200 °C	-328 °F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	>= 20.0 kV/mm	>= 508 kV/in	in air; ASTM D149

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