

## Guarniflon PTFE G800 Polytetrafluoroethylene

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

**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-G800-Polytetrafluoroethylene.php](http://www.lookpolymers.com/polymer_Guarniflon-PTFE-G800-Polytetrafluoroethylene.php)

Physical Properties	Metric	English	Comments
Density	2.14 - 2.18 g/cc	0.0773 - 0.0788 lb/in <sup>3</sup>	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength	>= 24.0 MPa	>= 3480 psi	extruded; ASTM D4894
	>= 30.0 MPa	>= 4350 psi	molded; ASTM D4894
Elongation at Break	>= 300 %	>= 300 %	extruded; ASTM D4894
	>= 400 %	>= 400 %	molded; ASTM D4894
Compressive Yield Strength	5.00 - 6.00 MPa	725 - 870 psi	ASTM D695
	@Strain 1.00 %	@Strain 1.00 %	
Coefficient of Friction, Dynamic	0.060	0.060	ASTM D1894

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

Electrical Properties	Metric	English	Comments
Dielectric Strength	>= 40.0 kV/mm	>= 1020 kV/in	in air, extruded; ASTM D149
	>= 60.0 kV/mm	>= 1520 kV/in	in air, molded; ASTM D149

## Contact Songhan Plastic Technology Co.,Ltd.

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