3M Dyneon™ TF 4105 PTFE 25% Glass Fiber Filled (discontinued **)

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE , Polytetrafluoroethylene (PTFE), Glass Filled, Molded

Material Notes:

Type II PTFE. Applications include valve seats, bearings, seals/gaskets, moldings, piston rings.Data provided by Dyneon.

Order this product through the following link:
http://www.lookpolymers.com/polymer_3M-Dyneon-TF-4105-PTFE-25-Glass-Fiber-Filled-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	2.24 g/cc	0.0809 lb/in³	Sintered moldings; ASTM D4894/D4895
Apparent Bulk Density	0.820 g/cc	0.0296 lb/in³	DIN 53 466
Linear Mold Shrinkage	0.017 cm/cm @Thickness 80.0 mm	0.017 in/in @Thickness 3.15 in	sheet; ASTM D4894

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	61	61	ASTM D2240
Tensile Strength, Ultimate	19.0 MPa @Thickness 2.00 mm	2760 psi @Thickness 0.0787 in	ASTM D4894
Elongation at Break	320 % @Thickness 2.00 mm	320 % @Thickness 0.0787 in	ASTM D4894

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	100 µm/m-°C @Temperature 30.0 - 100 °C	55.6 µin/in-°F @Temperature 86.0 - 212 °F	
	130 µm/m-°C @Temperature 30.0 - 200 °C	72.2 µin/in-°F @Temperature 86.0 - 392 °F	
	150 µm/m-°C @Temperature 30.0 - 300 °C	83.3 µin/in-°F @Temperature 86.0 - 572 °F	
Thermal Conductivity	0.400 W/m-K	2.78 BTU-in/hr-ft²-°F	DIN 52 612

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	IEC 60093

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	IEC 60093

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