

3M Dyneon™ TF 4215 PTFE 25% Electrocarbon Filled (discontinued **)

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE , Polytetrafluoroethylene (PTFE), Conductive Carbon Filled

Material Notes:

Applications include bearings, seals/gaskets, packings, piston rings.Data provided by Dyneon.

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Dyneon-TF-4215-PTFE-25-Electrocarbon-Filled-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	2.11 g/cc	0.0762 lb/in ³	Sintered moldings; ASTM D4894/D4895
Apparent Bulk Density	0.750 g/cc	0.0271 lb/in ³	DIN 53 466
Linear Mold Shrinkage	0.023 cm/cm @Thickness 80.0 mm	0.023 in/in @Thickness 3.15 in	sheet; ASTM D4894

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	66	66	ASTM D2240
Tensile Strength, Ultimate	16.0 MPa @Thickness 2.00 mm	2320 psi @Thickness 0.0787 in	ASTM D4894
Elongation at Break	180 % @Thickness 2.00 mm	180 % @Thickness 0.0787 in	ASTM D4894

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	90.0 µm/m-°C @Temperature 30.0 - 100 °C	50.0 µin/in-°F @Temperature 86.0 - 212 °F	
	100 µm/m-°C @Temperature 30.0 - 200 °C	55.6 µin/in-°F @Temperature 86.0 - 392 °F	
	120 µm/m-°C @Temperature 30.0 - 300 °C	66.7 µin/in-°F @Temperature 86.0 - 572 °F	
Thermal Conductivity	0.600 W/m-K	4.16 BTU-in/hr-ft ² -°F	DIN 52 612

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+6 ohm-cm	1.00e+6 ohm-cm	IEC 60093

Surface Resistance Electrical Properties	1.00e+6 ohm Metric	1.00e+6 ohm English	IEC 60093 Comments
---	-----------------------	------------------------	-----------------------

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China