

3M Dyneon™ TF 4406 PTFE, 60% Bronze Filled (discontinued **)

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE , Polytetrafluoroethylene (PTFE), Bronze Filled

Material Notes:

Type II PTFE. Applications include sliding surfaces, bearings. Data provided by Dyneon.

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Dyneon-TF-4406-PTFE-60-Bronze-Filled-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	3.90 g/cc	0.141 lb/in ³	Sintered moldings; ASTM D4894/D4895
Apparent Bulk Density	1.30 g/cc	0.0470 lb/in ³	DIN 53 466
Linear Mold Shrinkage	0.018 cm/cm @Thickness 80.0 mm	0.018 in/in @Thickness 3.15 in	sheet; ASTM D4894

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	72	72	ASTM D2240
Tensile Strength, Ultimate	16.0 MPa @Thickness 2.00 mm	2320 psi @Thickness 0.0787 in	ASTM D4894
Elongation at Break	250 % @Thickness 2.00 mm	250 % @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	
	110 μm/m-°C @Temperature 30.0 - 200 °C	61.1 μin/in-°F @Temperature 86.0 - 392 °F	
	130 μm/m-°C @Temperature 30.0 - 300 °C	72.2 μin/in-°F @Temperature 86.0 - 572 °F	
Thermal Conductivity	0.700 W/m-K	4.86 BTU-in/hr-ft ² -°F	DIN 52 612

Electrical Properties	Metric	English	Comments
Electrical Resistivity	10000 ohm-cm	10000 ohm-cm	IEC 60093

Surface Resistance Electrical Properties	10000 ohm Metric	10000 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