

## 3M Dyneon™ TF 4303 PTFE 15% Graphite Filled (discontinued \*\*)

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

### Material Notes:

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

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_3M-Dyneon-TF-4303-PTFE-15-Graphite-Filled-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_3M-Dyneon-TF-4303-PTFE-15-Graphite-Filled-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	2.15 g/cc	0.0777 lb/in <sup>3</sup>	Sintered moldings; ASTM D4894/D4895
Apparent Bulk Density	0.750 g/cc	0.0271 lb/in <sup>3</sup>	DIN 53 466
Linear Mold Shrinkage	0.027 cm/cm @Thickness 80.0 mm	0.027 in/in @Thickness 3.15 in	sheet; ASTM D4894

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	63	63	ASTM D2240
Tensile Strength, Ultimate	17.0 MPa @Thickness 2.00 mm	2470 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	110 μm/m-°C @Temperature 30.0 - 100 °C	61.1 μin/in-°F @Temperature 86.0 - 212 °F	
	120 μm/m-°C @Temperature 30.0 - 200 °C	66.7 μin/in-°F @Temperature 86.0 - 392 °F	
	140 μm/m-°C @Temperature 30.0 - 300 °C	77.8 μin/in-°F @Temperature 86.0 - 572 °F	
Thermal Conductivity	0.800 W/m-K	5.55 BTU-in/hr-ft <sup>2</sup> -°F	DIN 52 612

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+11 ohm-cm	1.00e+11 ohm-cm	IEC 60093

Surface Resistance Electrical Properties	1.00e+12 ohm Metric	1.00e+12 ohm English	IEC 60093 Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China