

Overview of materials for Polyphenylene Ether, Glass/Graphite Reinforced

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO , Polyphenylene Ether, Glass/Graphite Reinforced

Material Notes:

This property data is a summary of similar materials in the MatWeb database for the category "Polyphenylene Ether, Glass/Graphite Reinforced". Each property range of values reported is minimum and maximum values of appropriate MatWeb entries. The comments report the average value, and number of data points used to calculate the average. The values are not necessarily typical of any specific grade, especially less common values and those that can be most affected by additives or processing methods.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Overview-of-materials-for-Polyphenylene-Ether-GlassGraphite-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.13 - 1.55 g/cc	0.0408 - 0.0560 lb/in ³	Average value: 1.31 g/cc Grade Count:7
Filler Content	10.0 - 30.0 %	10.0 - 30.0 %	Average value: 20.0 % Grade Count:6

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	75.0 - 110 MPa	10900 - 16000 psi	Average value: 93.5 MPa Grade Count:6
Flexural Modulus	3.59 - 8.20 GPa	521 - 1190 ksi	Average value: 5.46 GPa Grade Count:7
Izod Impact, Notched	0.370 - 1.18 J/cm	0.693 - 2.21 ft-lb/in	Average value: 0.950 J/cm Grade Count:7

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	128 - 141 °C	262 - 286 °F	Average value: 136 °C Grade Count:7
Flammability, UL94	HB - V-1	HB - V-1	Grade Count:6

Electrical Properties	Metric	English	Comments
Dielectric Constant	2.90 - 3.40	2.90 - 3.40	Average value: 3.15 Grade Count:6

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