

Overview of materials for Polyphenylene Ether, Mineral Filled

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO , Polyphenylene Ether, Mineral Filled

Material Notes:

This property data is a summary of similar materials in the MatWeb database for the category "Polyphenylene Ether, Mineral Filled". 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-Mineral-Filled.php

Physical Properties	Metric	English	Comments
Density	1.23 - 1.62 g/cc	0.0444 - 0.0585 lb/in ³	Average value: 1.34 g/cc Grade Count:5
Linear Mold Shrinkage	0.00100 - 0.00700 cm/cm	0.00100 - 0.00700 in/in	Average value: 0.00505 cm/cm Grade Count:5

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	65.0 - 74.1 MPa	9430 - 10800 psi	Average value: 71.0 MPa Grade Count:3
	20.0 - 55.0 MPa	2900 - 7980 psi	Average value: 38.3 MPa Grade Count:1
	@Temperature 60.0 - 120 °C	@Temperature 140 - 248 °F	
Elongation at Break	2.00 - 2.50 %	2.00 - 2.50 %	Average value: 2.23 % Grade Count:1
	@Temperature 60.0 - 120 °C	@Temperature 140 - 248 °F	
Elongation at Yield	1.50 - 1.50 %	1.50 - 1.50 %	Average value: 1.50 % Grade Count:1
	@Temperature 120 - 120 °C	@Temperature 248 - 248 °F	
Modulus of Elasticity	3.20 - 4.30 GPa	464 - 624 ksi	Average value: 3.70 GPa Grade Count:1
	@Temperature 60.0 - 120 °C	@Temperature 140 - 248 °F	
Flexural Modulus	3.38 - 11.7 GPa	490 - 1700 ksi	Average value: 5.50 GPa Grade Count:4
Izod Impact, Notched	0.160 - 2.14 J/cm	0.300 - 4.00 ft-lb/in	Average value: 1.57 J/cm Grade Count:4

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	107 - 135 °C	225 - 275 °F	Average value: 114 °C Grade Count:5

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