

Overview of materials for Thermoset Polyurethane Foam, Glass Filled

Category : Polymer , Thermoset , Polyurethane, TS , Thermoset Polyurethane Foam, Glass Filled

Material Notes:

This property data is a summary of similar materials in the MatWeb database for the category "Thermoset Polyurethane Foam, Glass 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-Thermoset-Polyurethane-Foam-Glass-Filled.php

Physical Properties	Metric	English	Comments
Density	0.270 - 1.71 g/cc	0.00975 - 0.0618 lb/in ³	Average value: 0.767 g/cc Grade Count:9
Linear Mold Shrinkage	0.000500 - 0.100 cm/cm	0.000500 - 0.100 in/in	Average value: 0.0248 cm/cm Grade Count:5

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	17.0 - 303 MPa	2470 - 43900 psi	Average value: 115 MPa Grade Count:6
Elongation at Break	1.70 - 11.0 %	1.70 - 11.0 %	Average value: 4.25 % Grade Count:4
Flexural Yield Strength	26.0 - 432 MPa	3770 - 62700 psi	Average value: 190 MPa Grade Count:6
Flexural Modulus	1.27 - 15.0 GPa	184 - 2180 ksi	Average value: 6.70 GPa Grade Count:6
Compressive Yield Strength	4.80 - 6.00 MPa	696 - 870 psi	Average value: 5.40 MPa Grade Count:3
Compressive Modulus	0.104 - 0.155 GPa	15.1 - 22.5 ksi	Average value: 0.133 GPa Grade Count:3

Thermal Properties	Metric	English	Comments
CTE, linear	14.0 - 26.0 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	7.78 - 14.4 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	Average value: 17.8 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$ Grade Count:5
Deflection Temperature at 1.8 MPa (264 psi)	70.0 - 213 $^\circ\text{C}$	158 - 415 $^\circ\text{F}$	Average value: 173 $^\circ\text{C}$ Grade Count:4

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.comEmail : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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