

## Overview of materials for Thermoset Polyurethane, Elastomer, Glass Filled

Category : Polymer , Thermoset , Polyurethane, TS , Thermoset Polyurethane, Elastomer, Glass Filled , Rubber or Thermoset Elastomer (TSE)

### Material Notes:

This property data is a summary of similar materials in the MatWeb database for the category "Thermoset Polyurethane, Elastomer, 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-Elastomer-Glass-Filled.php](http://www.lookpolymers.com/polymer_Overview-of-materials-for-Thermoset-Polyurethane-Elastomer-Glass-Filled.php)

Physical Properties	Metric	English	Comments
Density	0.950 - 1.25 g/cc	0.0343 - 0.0452 lb/in <sup>3</sup>	Average value: 1.16 g/cc Grade Count:11
Water Absorption at Saturation	0.100 - 2.80 %	0.100 - 2.80 %	Average value: 1.16 % Grade Count:5
Linear Mold Shrinkage	0.00430 - 0.00750 cm/cm	0.00430 - 0.00750 in/in	Average value: 0.00607 cm/cm Grade Count:11

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	16.0 - 38.0 MPa	2320 - 5510 psi	Average value: 27.4 MPa Grade Count:11
Elongation at Break	15.0 - 200 %	15.0 - 200 %	Average value: 86.5 % Grade Count:11
Flexural Modulus	0.470 - 2.07 GPa	68.2 - 300 ksi	Average value: 1.20 GPa Grade Count:11
Izod Impact, Notched	0.500 - 4.30 J/cm	0.937 - 8.06 ft-lb/in	Average value: 1.82 J/cm Grade Count:9
Tear Strength	70.0 - 140 kN/m	399 - 799 pli	Average value: 107 kN/m Grade Count:11

Thermal Properties	Metric	English	Comments
CTE, linear	49.0 - 137 $\mu\text{m}/\text{m}^\circ\text{C}$	27.2 - 76.1 $\mu\text{in}/\text{in}^\circ\text{F}$	Average value: 75.3 $\mu\text{m}/\text{m}^\circ\text{C}$ Grade Count:10

## 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