

Overview of materials for Polycarbonate/PET Polyester Blend, Glass Reinforced

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate/PET Polyester Blend, Glass Reinforced , Polyester, TP , Polyethylene Terephthalate (PET)

Material Notes:

This property data is a summary of similar materials in the MatWeb database for the category "Polycarbonate/PET Polyester Blend, Glass 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-PolycarbonatePET-Polyester-Blend-Glass-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.27 - 1.59 g/cc	0.0459 - 0.0574 lb/in ³	Average value: 1.38 g/cc Grade Count:11
Linear Mold Shrinkage	0.00100 - 0.0100 cm/cm	0.00100 - 0.0100 in/in	Average value: 0.00514 cm/cm Grade Count:11
Melt Flow	1.00 - 16.0 g/10 min	1.00 - 16.0 g/10 min	Average value: 8.07 g/10 min Grade Count:7

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	62.1 - 105 MPa	9000 - 15200 psi	Average value: 80.6 MPa Grade Count:8
Tensile Strength, Yield	62.1 - 103 MPa	9000 - 14900 psi	Average value: 81.0 MPa Grade Count:8
Flexural Yield Strength	96.5 - 170 MPa	14000 - 24700 psi	Average value: 129 MPa Grade Count:8
Flexural Modulus	2.76 - 6.76 GPa	400 - 980 ksi	Average value: 4.63 GPa Grade Count:11
Izod Impact, Notched	0.641 - 7.85 J/cm	1.20 - 14.7 ft-lb/in	Average value: 2.42 J/cm Grade Count:11

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	113 - 204 °C	235 - 400 °F	Average value: 156 °C Grade Count:9
Deflection Temperature at 1.8 MPa (264 psi)	104 - 143 °C	220 - 290 °F	Average value: 120 °C Grade Count:7
Flammability, UL94	HB	HB	Grade Count:7

Processing Properties	Metric	English	Comments
Melt Temperature	249 - 296 °C	480 - 565 °F	Average value: 271 °C Grade Count:8

Mold Temperature Processing Properties	65.6 - 116 °C Metric	150 - 241 °F English	Average value: 90.3 °C Grade Count: 7 Comments
Drying Temperature	104 - 110 °C	220 - 230 °F	Average value: 107 °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