

Engineered Polymer Solutions PBT VM 450, 20% Mineral Filled

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Mineral Filled

Material Notes:

Plate-able. Natural and colors available. Injection molding grade. Uses: Automotive, appliances Information provided by Engineered Polymer Solutions.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Engineered-Polymer-Solutions-PBT-VM-450-20-Mineral-Filled.php

Physical Properties	Metric	English	Comments
Density	1.50 g/cc	0.0542 lb/in ³	ASTM D792-91
Viscosity Measurement	1500 @Temperature 250 °C	1500 @Temperature 482 °F	in-sec Melt Viscosity; 5.0 kg; ASTM D1238 Mod.
Linear Mold Shrinkage	0.012 cm/cm	0.012 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	57.9 MPa	8400 psi	ASTM D638
Flexural Modulus	4.14 GPa	600 ksi	ASTM D790
Izod Impact, Notched	0.427 J/cm	0.800 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	188 °C	370 °F	1/4 inch bar; ASTM D648

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	238 - 254 °C	460 - 490 °F	
Middle Barrel Temperature	243 - 260 °C	470 - 500 °F	
Front Barrel Temperature	249 - 266 °C	480 - 510 °F	
Nozzle Temperature	243 - 260 °C	470 - 500 °F	
Melt Temperature	249 - 266 °C	480 - 510 °F	
Mold Temperature	71.1 - 93.3 °C	160 - 200 °F	
Drying Temperature	121 °C	250 °F	
Dry Time	3 - 4 hour	3 - 4 hour	
Moisture Content	0.20 %	0.20 %	

Processing Properties	Metric	English	Comments
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