

Green Dot Terratek® WC 100300 Polypropylene - Pine Fiber Composite

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Terratek® WC 100300 is a proprietary blend of pine wood fiber and reprocessed polypropylene for injection molding applications. WC 100300 contains 30% wood fiber by weight, however, a range of properties can be achieved by altering the wood to plastic ratio and by the inclusion or admission of other additives. Formulations containing anywhere from 30% to 60% wood are available upon request. Information provided by Green Dot Holdings.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Green-Dot-Terratek-WC-100300-Polypropylene-Pine-Fiber-Composite.php

Physical Properties	Metric	English	Comments
Bulk Density	0.481 - 0.561 g/cc	0.0174 - 0.0203 lb/in ³	
Density	1.02 g/cc	0.0368 lb/in ³	
Moisture Absorption	<= 1.00 %	<= 1.00 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	24.8 MPa	3600 psi	
Tensile Modulus	2.75 GPa	399 ksi	
Izod Impact Notched	0.583 J	0.430 ft-lb	

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	177 - 182 Â°C	350 - 360 Â°F	
Middle Barrel Temperature	177 - 182 Â°C	350 - 360 Â°F	
Front Barrel Temperature	182 - 191 Â°C	360 - 375 Â°F	
Nozzle Temperature	182 - 191 Â°C	360 - 375 Â°F	
Melt Temperature	<= 204 Â°C	<= 400 Â°F	
Mold Temperature	15.6 - 76.7 Â°C	60.0 - 170 Â°F	
Drying Temperature	104 Â°C	220 Â°F	desiccant dryer
Moisture Content	<= 0.50 %	<= 0.50 %	

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