

## Green Dot Terratek<sup>®</sup> BD 4015 Biodegradable Polymer

Category : Polymer , Renewable/Recycled Polymer

### Material Notes:

Terratek BD biodegradable composites are created from a proprietary blend of starch-based ingredients and other materials, the natural components derived from renewable grain sources account for the majority of the composites' content by weight. The resins are made with ingredients which pass industry standards for composting. By altering the ratio of the natural to synthetic biodegradable polymers, a wide range of properties can be generated. Information provided by Green Dot Holdings.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Green-Dot-Terratek-BD-4015-Biodegradable-Polymer.php](http://www.lookpolymers.com/polymer_Green-Dot-Terratek-BD-4015-Biodegradable-Polymer.php)

Physical Properties	Metric	English	Comments
Bulk Density	0.833 g/cc	0.0301 lb/in <sup>3</sup>	
Density	1.30 g/cc	0.0470 lb/in <sup>3</sup>	
Moisture Absorption	<= 1.00 %	<= 1.00 %	
Melt Flow	8.0 g/10 min @Load 2.05 kg, Temperature 190 °C	8.0 g/10 min @Load 4.53 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	18.6 MPa	2700 psi	
Izod Impact Notched	1.26 J	0.930 ft-lb	

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	166 - 177 °C	330 - 350 °F	
Middle Barrel Temperature	171 - 182 °C	340 - 360 °F	
Front Barrel Temperature	171 - 182 °C	340 - 360 °F	
Nozzle Temperature	171 - 182 °C	340 - 360 °F	
Melt Temperature	<= 204 °C	<= 400 °F	
Mold Temperature	15.6 - 48.9 °C	60.0 - 120 °F	
Drying Temperature	93.3 °C @Time 7200 - 14400 sec	200 °F @Time 2.00 - 4.00 hour	desiccant dryer
Moisture Content	<= 0.10 %	<= 0.10 %	

Descriptive Properties	Value	Comments
Form	smooth white pellets	

## 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