

Corbion Purac Blend C High Heat, Impact Modified Homopolymer PLA

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic , Polylactic Acid (PLA) Biopolymer

Material Notes:

Heat resistance higher than typical PLA is achieved by addition of a nucleating agent and PDLA homopolymer. Increased impact is produced by addition of impact modifier to the base grade; a small amount of talc is added to preserve the modulus. Data is for samples produced from Puralact L and D lactide monomers. PLA is 100% biobased and is both recyclable and compostable. PLA can be used in a broad range of applications from molded plastic parts to textiles, foams, and films. Information provide by Corbion Purac.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Corbion-Purac-Blend-C-High-Heat-Impact-Modified-Homopolymer-PLA.php

Physical Properties	Metric	English	Comments
Density	1.25 g/cc	0.0452 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength	35.0 MPa	5080 psi	
Elongation at Break	60 %	60 %	
Tensile Modulus	3.50 GPa	508 ksi	
Charpy Impact, Notched	2.30 J/cm ²	10.9 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	95.0 °C	203 °F	HDT B flatwise

Processing Properties	Metric	English	Comments
Melt Temperature	190 - 220 °C	374 - 428 °F	pre-drying required
Mold Temperature	70.0 - 100 °C	158 - 212 °F	

Descriptive Properties	Value	Comments
Clarity	No	

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