

Corbion Purac Blend B High Heat, High Modulus 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 modulus is produced by addition of talc to the base grade. 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-B-High-Heat-High-Modulus-Homopolymer-PLA.php

Physical Properties	Metric	English	Comments
Density	1.27 g/cc	0.0459 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength	42.0 MPa	6090 psi	
Elongation at Break	17 %	17 %	
Tensile Modulus	4.00 GPa	580 ksi	
Charpy Impact, Notched	0.600 J/cm ²	2.86 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	120 °C	248 °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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