

Ex-Tech Plastics RenewTech™ BioPlastics Ingeo™ PLA

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

Material Notes:

Derived from annually renewable resources, RenewTech™ BioPlastics 7000 sheet is made with Ingeo™ PLA biopolymer as a base, giving you a packaging solution with competitive cost value performance compared to traditional materials. RenewTech 7000 complies with FDA and European requirements for food packaging. Characteristics: Made from annually renewable resources Improved environmental footprint (requires less non-renewable energy and generates significantly less greenhouse gas) Excellent flavor and aroma barrier Superior print and lamination High gloss Stones allows for down gauging Food contact approved Superior visual qualities High modulus Compostable End Uses: Food packaging Organic in-store prepared food packaging Thermoformed hinged packaging Tray packaging Information provided by Ex-Tech Plastics Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ex-Tech-Plastics-RenewTech-BioPlastics-Ingeo-PLA.php

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 lb/in ³	ASTM D792
Melt Flow	4.0 - 8.0 g/10 min @Load 2.16 kg, Temperature 190 °C	4.0 - 8.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	53.0 MPa	7690 psi	ASTM D882
Tensile Strength, Yield	60.0 MPa	8700 psi	ASTM D882
Elongation at Break	6.0 %	6.0 %	ASTM D882
Tensile Modulus	3.50 GPa	508 ksi	ASTM D882
Izod Impact, Notched	0.1281 J/cm	0.2400 ft-lb/in	ASTM D256

Descriptive Properties	Value	Comments
Clarity	Transparent	

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