

NatureWorks® Ingeo™ 6350D Fiber Grade PLA

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

Material Notes:

NatureWorks® PLA polymer 6350D is an amorphous thermoplastic spunbond-grade resin derived primarily from annually renewable resources. Available in pellet form, 6350D is designed for extrusion into spunbond nonwovens using conventional bi-component PET spunbond equipment, where filament velocities > 4000 m/min can be achieved. NatureWorks® PLA 6350D can be used as a low melt binder polymer in a sheath-core configuration. Potential applications for PLA polymer 6350D include bicomponent spunbond non-wovens

Order this product through the following link:

http://www.lookpolymers.com/polymer_NatureWorks-Ingeo-6350D-Fiber-Grade-PLA.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.24 g/cc	1.24 g/cc	ASTM D792
Melt Density	1.08 g/cc @Temperature 230 °C	0.0390 lb/in³ @Temperature 446 °F	ASTM D1238
Viscosity Measurement	2.5	2.5	Relative Viscosity; CD Internal Viscotek Method
Melt Flow	65 g/10 min @Load 2.16 kg, Temperature 210 °C	65 g/10 min @Load 4.76 lb, Temperature 410 °F	ASTM D1238

Thermal Properties	Metric	English	Comments
Melting Point	145 - 160 °C	293 - 320 °F	ASTM D3418
Glass Transition Temp, Tg	55.0 - 60.0 °C	131 - 140 °F	ASTM D3417

Processing Properties	Metric	English	Comments
Dew Point	-35.0 °C	-31.0 °F	
Drying Air Flow Rate	>= 14.2 l/min	>= 0.500 ft³/min (CFM)	

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