NatureWorks® Ingeo™ 6751D Fiber Grade PLA

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

Material Notes:

NatureWorks® PLA polymer 6751D is a thermoplastic fiber-grade resin derived primarily from annually renewable resources. Available in pellet form, 6751D is designed for extrusion into mechanically drawn staple fibers using conventional fiber spinning and drawing equipment. NatureWorks® PLA 6751D can be converted into a broad range of undyed products with minimal temperature requirements.Applications: Potential applications for PLA polymer 6751D include: Non-woven (spunlace wipes); Multi filament twine

Order this product through the following link:
http://www.lookpolymers.com/polymer_NatureWorks-Ingeo-6751D-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	3.3	3.3	Relative Viscosity; CD Internal Viscotek Method
Melt Flow	15 g/10 min @Load 2.16 kg, Temperature 210 °C	15 g/10 min @Load 4.76 lb, Temperature 410 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Elongation at Break	10 - 70 %	10 - 70 %	Fiber; ASTM D2256/ASTM D3822
Tenacity	0.221 - 0.353 N/tex	2.50 - 4.00 g/denier	ASTM D2256/ASTM D3822

Thermal Properties	Metric	English	Comments
Melting Point	150 - 160 °C	302 - 320 °F	ASTM D3418
Glass Transition Temp, Tg	55.0 - 60.0 °C	131 - 140 °F	ASTM D3417
Shrinkage	<= 8.0 % @Temperature 120 °C, Time 600 sec	<= 8.0 % @Temperature 248 °F, Time 0.167 hour	Hot Air; ASTM D2102

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)	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China