

# Ingeo™ 6362D

Polylactic Acid

NatureWorks® LLC

## Message:

Ingeo biopolymer 6362D, a NatureWorks LLC product, is a thermoplastic fiber-grade resin derived from annually renewable resources. Available in pellet form, 6362D is a higher melt flow resin designed for specialty fiber products where an amorphous structure is desired. Ingeo biopolymer 6362D can be converted into a broad range of fiber products.

Potential applications for Ingeo biopolymer 6362D include:

Low melt binder fibers/sheath

Low melt coatings

Dissolvable / sacrificial fiber components

General Information			
Features	Comstable		
	Updatable resources		
	High liquidity		
	Compliance of Food Exposure		
Uses	Fiber		
Agency Ratings	FDA Food Exposure, Not Rated		
	Europe 10/1/2011 12:00:00 AM		
Forms	Particle		
Processing Method	Fiber (spinning) extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (210°C/2.16 kg)	70 - 85	g/10 min	ASTM D1238
Relative Viscosity (30°C)	2.50		
Denier per Filament <sup>1</sup>	1.00 - 2.00	dpf	
Fabric Weight	Various		
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	55.0 - 60.0	°C	ASTM D3417
Peak Crystallization Temperature (DSC)	125 - 135	°C	ASTM D3418
Fill Analysis	Nominal Value	Unit	
Melt Density (230°C)	1.08	g/cm <sup>3</sup>	
Extrusion	Nominal Value	Unit	
Drying Temperature	40	°C	
Drying Time	8.0 - 12	hr	
NOTE			

1. g/9000m

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