

RTP 2099 X 134503 A

Polylactic Acid

RTP Company

Message:

Glass Fiber - Flame Retardant - High Flow

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
Features	Updatable resources		
	High liquidity		
	Flame retardancy		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.64	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.050 - 0.15	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	13800	MPa	ASTM D638
Tensile Strength	138	MPa	ASTM D638
Tensile Elongation (Yield)	1.5 - 2.5	%	ASTM D638
Flexural Modulus	13100	MPa	ASTM D790
Flexural Strength	207	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	160	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	640	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	149	°C	ASTM D648
Electrical	Nominal Value		Test Method
Dielectric Constant (1 MHz)	3.40		ASTM D150
Dissipation Factor (1 MHz)	3.0E-3		ASTM D150
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.00 mm, ** Values per RTP Company testing.	V-0		UL 94
3.00 mm, ** Values per RTP Company testing.	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	4.0	hr	

Processing (Melt) Temp	277 - 316	°C
Mold Temperature	82.2 - 121	°C
Injection Pressure	68.9 - 103	MPa

Injection instructions

Desiccant Type Dryer Required.

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Recommended distributors for this material

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