

RTP 2099 X 131060

Polylactic Acid

RTP Company

Message:

Warning: The status of this material is 'Commercial: Limited Issue'
The data for this material has not been recently verified.
Please contact RTP Company for current information prior to specifying this grade.
PLA ALLOY - Flame Retardant - Halogen Free - 20% Renewable Resource Content

General Information			
Features	Updatable resources		
	Halogen-free		
	Flame retardancy		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.31	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.50 - 0.70	%	ASTM D955
Moisture Content		%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3100	MPa	ASTM D638
Tensile Strength	48.3	MPa	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	3450	MPa	ASTM D790
Flexural Strength	86.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	120	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	No Break		ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	96.1	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm, Values per RTP Company testing.)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	60.0	°C	
Drying Time	4.0 - 6.0	hr	
Processing (Melt) Temp	193 - 210	°C	
Mold Temperature	0.00 - 26.7	°C	
Injection Pressure	55.2 - 103	MPa	
Injection instructions			

Desiccant Type Dryer Required.

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

