

RTP 2099 X 134514

Polylactic Acid

RTP Company

Message:

Flame Retardant - UV Stabilized - Chemical Resistant Alloy

General Information			
Additive	UV stabilizer		
Features	Updatable resources		
	Good chemical resistance		
	Flame retardancy		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.28	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/10.0 kg)	35	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.60 - 0.90	%	ASTM D955
Moisture Content		%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2410	MPa	ASTM D638
Tensile Strength	65.5	MPa	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	2760	MPa	ASTM D790
Flexural Strength	107	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	640	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	No Break		ASTM D4812
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.50 mm, ** Values per RTP Company testing.	V-0		UL 94
2.00 mm, ** Values per RTP Company testing.	5VA		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	82.2 - 104	°C	
Drying Time	4.0	hr	
Dew Point	-28.9	°C	
Processing (Melt) Temp	243 - 271	°C	
Mold Temperature	60.0 - 93.3	°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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