

RTP 2099 X 115375 C

Polylactic Acid + PMMA

RTP Company

Message:

PLA-PMMA Alloy - Transparent - 39% Renewable Resource Content

General Information			
Features	Updatable resources		
RoHS Compliance	Contact manufacturer		
Appearance	Clear/transparent		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21	g/cm ³	ASTM D792
Moisture Content	0.020	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3450	MPa	ASTM D638
Tensile Strength	68.9	MPa	ASTM D638
Tensile Elongation (Yield)	6.0	%	ASTM D638
Flexural Modulus	3790	MPa	ASTM D790
Flexural Strength	121	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	37	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	320	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	65.6	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm, ** Values per RTP Company testing.)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	51.7	°C	
Drying Time	2.0 - 6.0	hr	
Dew Point	-40.0	°C	
Processing (Melt) Temp	166 - 221	°C	
Mold Temperature	10.0 - 23.9	°C	
Injection Pressure	55.2 - 103	MPa	
Injection instructions			
Desiccant Type Dryer Required.			

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