

RTP 2099 X 127618 R

Polylactic Acid + PC

RTP Company

Message:

PC-PLA Blend - 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	1.21	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.50 - 0.70	%	ASTM D955
Moisture Content	0.020	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2410	MPa	ASTM D638
Tensile Strength	46.9	MPa	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	2620	MPa	ASTM D790
Flexural Strength	79.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	430	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)	65.0	°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	hr	
Dew Point	-40.0	°C	
Processing (Melt) Temp	204 - 243	°C	
Mold Temperature	23.9 - 60.0	°C	
Injection Pressure	55.2 - 103	MPa	
Injection instructions			

Desiccant Type Dryer Required.

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Recommended distributors for this material

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