

RTP 0399 X 138339

Polycarbonate
RTP Company

Message:
Flame Retardant - Transparent

General Information			
UL YellowCard	E84658-102482815		
Features	Flame retardancy		
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
Molding Shrinkage - Flow (3.20 mm)	0.60 - 0.90	%	ASTM D955
Moisture Content	0.020	%	
Ignition Resistance - Aerospace Value (762.0 µm)	2.00		FAR 25.853
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2140	MPa	ASTM D638
Tensile Strength	62.1	MPa	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	2410	MPa	ASTM D790
Flexural Strength	100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	190	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	No Break		ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	129	°C	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.200 mm	V-2		UL 94
3.0 mm	V-0		UL 94
Glow Wire Flammability Index (3.0 mm)	960	°C	IEC 60695-2-12
Glow Wire Ignition Temperature (3.0 mm)	850	°C	IEC 60695-2-13
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	4.0	hr	
Dew Point	-29	°C	
Processing (Melt) Temp	288 - 316	°C	

Mold Temperature	82 - 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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