

RTP 0399 X 133597

Polycarbonate
RTP Company

Message:
Flame Retardant - Preliminary Datasheet

General Information			
Features	Flame retardancy		
RoHS Compliance	Contact manufacturer		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	4.0 - 6.0	g/10 min	ASTM D1238
Moisture Content	0.020	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2280	MPa	ASTM D638
Tensile Strength	63.4	MPa	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	2410	MPa	ASTM D790
Flexural Strength	96.5	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
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	138	°C	ASTM D648
1.8 MPa, not annealed	132	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.5 mm, ** Values per RTP Company testing.	V-0		UL 94
3.0 mm, ** Values per RTP Company testing.	5VA		UL 94
Injection	Nominal Value	Unit	
Dew Point	-29	°C	
Injection instructions			
Desiccant Type Dryer Required.			
Extrusion	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	4.0	hr	
Melt Temperature	288 - 316	°C	

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Recommended distributors for this material

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