

RTP 399 X 101161

Polycarbonate

RTP Company

Message:

Carbon Fiber - Glass Fiber

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
	Carbon fiber reinforced material		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.10 - 0.20	%	ASTM D955
Moisture Content	0.020	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	13000	MPa	ASTM D638
Tensile Strength	143	MPa	ASTM D638
Tensile Elongation (Yield)	2.0 - 3.0	%	ASTM D638
Flexural Modulus	11900	MPa	ASTM D790
Flexural Strength	192	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	120	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	590	J/m	ASTM D4812
Flammability	Nominal Value	Test Method	
Flame Rating (1.50 mm, ** Values per RTP Company testing.)	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	4.0	hr	
Dew Point	-28.9	°C	
Processing (Melt) Temp	288 - 316	°C	
Mold Temperature	82.2 - 121	°C	
Injection Pressure	68.9 - 103	MPa	
Injection instructions			

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Recommended distributors for this material

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