

RTP 2581

Polycarbonate + ABS

RTP Company

Message:

Carbon Fiber

General Information			
Filler / Reinforcement	Carbon fiber reinforced material, 10% filler by weight		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.10 - 0.30	%	ASTM D955
Moisture Content	0.020	%	
Primary Additive	10	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7580	MPa	ASTM D638
Tensile Strength	110	MPa	ASTM D638
Tensile Elongation (Yield)	1.5 - 2.5	%	ASTM D638
Flexural Modulus	7580	MPa	ASTM D790
Flexural Strength	152	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	110	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	370	J/m	ASTM D4812
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	< 1.0E+6	ohms	ASTM D257
Volume Resistivity	< 1.0E+5	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm, ** Values per RTP Company testing.)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	93.3	°C	
Drying Time	4.0	hr	
Dew Point	-28.9	°C	
Processing (Melt) Temp	243 - 274	°C	
Mold Temperature	51.7 - 93.3	°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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