

RTP 3381

Polyvinylidene Fluoride

RTP Company

Message:

Carbon Fiber

General Information			
Filler / Reinforcement	Carbon Fiber,10% Filler by Weight		
RoHS Compliance	Contact Manufacturer		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.77	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.30 to 0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7930	MPa	ASTM D638
Tensile Strength	86.2	MPa	ASTM D638
Tensile Elongation (Yield)	1.0 to 2.0	%	ASTM D638
Flexural Modulus	6210	MPa	ASTM D790
Flexural Strength	121	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	75	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	350	J/m	ASTM D4812
Additional Information	Nominal Value	Unit	
Primary Additive	10	%	
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	210 to 288	°C	
Mold Temperature	82.2 to 104	°C	
Injection Pressure	68.9 to 103	MPa	

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Recommended distributors for this material

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