

RTP 782

High Density Polyethylene

RTP Company

Message:

Warning: The status of this material is 'Commercial: Limited Issue'
The data for this material has not been recently verified.
Please contact RTP Company for current information prior to specifying this grade.

General Information			
Filler / Reinforcement	Carbon Fiber,15% Filler by Weight		
Features	High Density		
RoHS Compliance	Contact Manufacturer		
Appearance	Black		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.03	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm, Injection Molded)	0.25	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	4130	MPa	ASTM D638
Tensile Strength	39.0	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	6.0	%	ASTM D638
Flexural Modulus (Injection Molded)	3240	MPa	ASTM D790
Flexural Strength (Injection Molded)	54.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm, Injection Molded)	75	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	260	J/m	ASTM D4812
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+3	ohms · cm	ASTM D257
Injection	Nominal Value	Unit	
Rear Temperature	177 to 227	°C	
Middle Temperature	177 to 227	°C	
Front Temperature	177 to 227	°C	
Mold Temperature	21.0 to 66.0	°C	
Injection Pressure	69.0 to 103	MPa	

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Recommended distributors for this material

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