

# RTP 701 HF

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.  
-Preliminary Product Data per RTP Co.-

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Features	High Flow		
RoHS Compliance	Contact Manufacturer		
Appearance	Black		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.01	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2340	MPa	ASTM D638
Tensile Strength	31.0	MPa	ASTM D638
Tensile Elongation (Break)	7.5	%	ASTM D638
Flexural Modulus	1720	MPa	ASTM D790
Flexural Strength	41.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	80	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	320	J/m	ASTM D4812
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms · cm	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	
Drying Time	2.0	hr	
Suggested Max Regrind	20	%	
Rear Temperature	177 to 288	°C	
Middle Temperature	177 to 288	°C	
Front Temperature	177 to 288	°C	
Mold Temperature	23.9 to 51.7	°C	
Injection Pressure	68.9 to 103	MPa	

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#### Recommended distributors for this material

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