

# RTP 100 FR HI

Polypropylene Copolymer

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.  
RTP 100 FR HI is a flame retardant co-polymer polypropylene. Characteristics include excellent impact resistance and low specific gravity.

General Information			
Additive	Flame Retardant		
RoHS Compliance	Contact Manufacturer		
Appearance	Black		
	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.998	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	2.3	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.030	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	17.0	MPa	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	1030	MPa	ASTM D790
Flexural Strength	20.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	160	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	No Break		ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	93.3	°C	
1.8 MPa, Unannealed	54.4	°C	
Flammability	Nominal Value		Test Method
Flame Rating (3.18 mm, NC, BK, Values per RTP Company testing.)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	2.0	hr	
Suggested Max Regrind	20	%	

Rear Temperature	204 to 232	°C
Middle Temperature	204 to 232	°C
Front Temperature	204 to 232	°C
Mold Temperature	37.8 to 65.6	°C
Injection Pressure	68.9 to 103	MPa

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Recommended distributors for this material

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