

RTP 1005 HI FR A

Polybutylene Terephthalate

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	Glass Fiber,30% Filler by Weight		
Additive	Flame Retardant		
	Impact Modifier		
Features	Flame Retardant		
	Impact Modified		
RoHS Compliance	Contact Manufacturer		
Appearance	Black		
	Natural Color		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.59	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.30	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.070	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8960	MPa	ASTM D638
Tensile Strength	96.5	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	7580	MPa	ASTM D790
Flexural Strength	152	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	130	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	800	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	204	°C	
1.8 MPa, Unannealed	193	°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method

Flame Rating (1.59 mm)	V-0	UL 94
Injection	Nominal Value	Unit
Rear Temperature	232 to 271	°C
Middle Temperature	232 to 271	°C
Front Temperature	232 to 271	°C
Mold Temperature	37.8 to 121	°C
Injection Pressure	68.9 to 103	MPa

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Recommended distributors for this material

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