

RTP 1006 HS

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,35% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
RoHS Compliance	Contact Manufacturer		
Appearance	Black		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.58	g/cm ³	ASTM D792
Molding Shrinkage - Flow			ASTM D955
3.18 mm, Injection Molded	0.20	%	
6.35 mm, Injection Molded	0.30	%	
Water Absorption (23°C, 24 hr)	0.080	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	10300	MPa	ASTM D638
Tensile Strength	138	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	2.5	%	ASTM D638
Flexural Modulus (Injection Molded)	8960	MPa	ASTM D790
Flexural Strength (Injection Molded)	200	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm, Injection Molded)	110	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	690	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, Injection Molded	216	°C	
1.8 MPa, Unannealed, Injection Molded	213	°C	

Injection	Nominal Value	Unit
Rear Temperature	232 to 257	°C
Middle Temperature	232 to 257	°C
Front Temperature	232 to 257	°C
Mold Temperature	79.0 to 107	°C
Injection Pressure	69.0 to 103	MPa

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Recommended distributors for this material

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