

# RTP 103 FR UV

Polypropylene

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 reinforced material, 10% filler by weight		
Features	Flame retardancy		
RoHS Compliance	Contact manufacturer		
Appearance	Black		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.46	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow			ASTM D955
3.18mm, injection molding	0.20	%	ASTM D955
6.35mm, injection molding	0.40	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.030	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	104		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	6550	MPa	ASTM D638
Tensile Strength	48.0	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	2.5	%	ASTM D638
Flexural Modulus (Injection Molded)	5170	MPa	ASTM D790
Flexural Strength (Injection Molded)	76.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm, Injection Molded)	53	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	190	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, injection molded	149	°C	ASTM D648
1.8 MPa, unannealed, injection molded	138	°C	ASTM D648
Flammability	Nominal Value		Test Method

Flame Rating (0.800 mm)	V-0	UL 94
Additional Information		
The value listed as Flammibility, UL 94, was tested in accordance with RTP Company methods.		
Injection	Nominal Value	Unit
Rear Temperature	193 - 227	°C
Middle Temperature	193 - 227	°C
Front Temperature	193 - 227	°C
Mold Temperature	32.0 - 66.0	°C
Injection Pressure	69.0 - 103	MPa

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Recommended distributors for this material

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