# RTP 103 GB 20

Polypropylene Homopolymer **RTP Company** 

### **Technical Data**

## Product Description

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			
Material Status	<ul> <li>Limited Issue</li> </ul>		
Search for UL Yellow Card	<ul><li> RTP Company</li><li> RTP</li></ul>		
Availability	<ul><li> Africa &amp; Middle East</li><li> Asia Pacific</li></ul>	<ul><li>Europe</li><li>Latin America</li></ul>	North America
Filler / Reinforcement	<ul> <li>Glass Bead, 20% Filler by Weight</li> </ul>	<ul> <li>Glass Fiber, 20% Filler by Weight</li> </ul>	
RoHS Compliance	<ul> <li>Contact Manufacturer</li> </ul>		
Appearance	Black	<ul> <li>Natural Color</li> </ul>	
Forms	Pellets		
Processing Method	<ul> <li>Injection Molding</li> </ul>		

Physical	Nominal Value Unit	Test Method
Density / Specific Gravity	1.23 g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.30 %	ASTM D955
Water Absorption (24 hr, 23°C)	0.010 %	ASTM D570
Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	5520 MPa	ASTM D638
Tensile Strength	41.4 MPa	ASTM D638
Tensile Elongation (Break)	2.5 %	ASTM D638
Flexural Modulus	4480 MPa	ASTM D790
Flexural Strength	62.1 MPa	ASTM D790
Impact	Nominal Value Unit	Test Method
Notched Izod Impact (3.18 mm)	43 J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	370 J/m	ASTM D4812
Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load		ASTM D648
0.45 MPa, Unannealed	149 °C	
1.8 MPa, Unannealed	135 °C	
Electrical	Nominal Value Unit	Test Method
Volume Resistivity	1.0E+16 ohms · cm	ASTM D257
Flammability	Nominal Value Unit	Test Method
Flame Rating		UL 94
1.6 mm, Values per RTP Company testing.	HB	
Additional Information		
Mald Obviolation AOTM D OFF 0 OFfice Freeil/in		

Mold Shrinkage, ASTM D-955, 0.25in: 5mil/in.



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PROSPECTO

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Injection	Nominal Value Unit
Drying Temperature	82 °C
Drying Time	2.0 hr
Suggested Max Regrind	20 %
Rear Temperature	218 to 274 °C
Middle Temperature	218 to 274 °C
Front Temperature	218 to 274 °C
Mold Temperature	32 to 66 °C
Injection Pressure	68.9 to 103 MPa

#### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.



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# Where to Buy

## Supplier

RTP Company Winona, MN USA Telephone: 800-433-4787 Web: http://www.rtpcompany.com/

#### Distributor

Please contact the supplier to find a distributor for RTP 103 GB 20



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