

# RTP Compounds 100 UV

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

Additive	• UV Stabilizer
Features	• Good UV Resistance
RoHS Compliance	• Contact Manufacturer
Appearance	• Black • Natural Color
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value Unit	Test Method
Specific Gravity	0.908 g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.5 %	ASTM D955
Water Absorption (23°C, 24 hr)	0.010 %	ASTM D570

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	1310 MPa	ASTM D638
Tensile Strength	34.5 MPa	ASTM D638
Tensile Elongation (Break)	150 %	ASTM D638
Flexural Modulus	1240 MPa	ASTM D790
Flexural Strength	48.3 MPa	ASTM D790

Impact	Nominal Value Unit	Test Method
Notched Izod Impact (3.18 mm)	21 J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	800 J/m	ASTM D256

Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load		ASTM D648
0.45 MPa, Unannealed	107 °C	
1.8 MPa, Unannealed	54.4 °C	

Electrical	Nominal Value Unit	Test Method
Volume Resistivity	1.0E+17 ohm·cm	ASTM D257

Flammability	Nominal Value Unit	Test Method
Flame Rating		UL 94
1.59 mm, Values per RTP Company testing.	HB	

### Additional Information

Mold Shrinkage, ASTM D-955, 0.25in. : 25mil/in.

Injection	Nominal Value Unit
Drying Temperature	82.2 °C
Drying Time	2.0 hr
Suggested Max Regrind	20 %
Rear Temperature	218 to 274 °C

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Injection	Nominal Value Unit
Middle Temperature	218 to 274 °C
Front Temperature	218 to 274 °C
Mold Temperature	32.2 to 65.6 °C
Injection Pressure	68.9 to 138 MPa