

RTP 2500 UV

Polycarbonate + ABS

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	• UV Resistant	
RoHS Compliance	• Contact Manufacturer	
Appearance	• Black	• Natural Color
Forms	• Pellets	
Processing Method	• Injection Molding	

Physical	Nominal Value Unit	Test Method
Density / Specific Gravity	1.14 g/cm³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.60 %	ASTM D955
Water Absorption (24 hr, 23°C)	0.15 %	ASTM D570
Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	2280 MPa	ASTM D638
Tensile Strength	53.8 MPa	ASTM D638
Tensile Elongation (Break)	100 %	ASTM D638
Flexural Modulus	2340 MPa	ASTM D790
Flexural Strength	82.7 MPa	ASTM D790
Impact	Nominal Value Unit	Test Method
Notched Izod Impact (3.18 mm)	640 J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	1900 J/m	ASTM D4812
Hardness	Nominal Value Unit	Test Method
Rockwell Hardness (R-Scale)	116	ASTM D785
Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load		ASTM D648
0.45 MPa, Unannealed	121 °C	
1.8 MPa, Unannealed	110 °C	
Electrical	Nominal Value Unit	Test Method
Volume Resistivity	1.0E+16 ohms·cm	ASTM D257
Flammability	Nominal Value Unit	Test Method
Flame Rating (1.6 mm, RTP Tested)	HB	UL 94

Additional Information

Mold Shrinkage, Linear-Flow, ASTM D955, 0.25in.: 7mil/in.

Injection	Nominal Value Unit
Drying Temperature	99 °C
Drying Time	4.0 hr
Suggested Max Moisture	0.020 %
Suggested Max Regrind	20 %
Rear Temperature	243 to 282 °C

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Injection	Nominal Value Unit
Middle Temperature	243 to 282 °C
Front Temperature	243 to 282 °C
Mold Temperature	82 to 96 °C
Injection Pressure	68.9 to 103 MPa
Back Pressure	0.345 MPa
Clamp Tonnage	6.9 to 11 kN/cm ²

Notes

¹ Typical properties: these are not to be construed as specifications.