

RTP 302 UV

Polycarbonate

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,15% Filler by Weight		
RoHS Compliance	Contact Manufacturer		
Appearance	Black		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm ³	ASTM D792
Molding Shrinkage - Flow			ASTM D955
3.18 mm, Injection Molded	0.30	%	
6.35 mm, Injection Molded	0.50	%	
Water Absorption (23°C, 24 hr)	0.10	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	118		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	5860	MPa	ASTM D638
Tensile Strength	93.0	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	3.5	%	ASTM D638
Flexural Modulus (Injection Molded)	4480	MPa	ASTM D790
Flexural Strength (Injection Molded)	131	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)	800	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, Injection Molded	146	°C	
1.8 MPa, Unannealed, Injection Molded	141	°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms · cm	ASTM D257

Injection	Nominal Value	Unit
Rear Temperature	249 to 293	°C
Middle Temperature	249 to 293	°C
Front Temperature	249 to 293	°C
Mold Temperature	66.0 to 93.0	°C
Injection Pressure	69.0 to 103	MPa

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

