

RTP 305 FR UV

Polycarbonate
RTP Company

Message:

Glass Fiber - Flame Retardant - Non-PBBO/E - UV Stabilized

General Information			
UL YellowCard	E84658-101745336		
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Additive	UV stabilizer		
Features	Flame retardancy		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.43	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.10 - 0.30	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.070	%	ASTM D570
Moisture Content	0.020	%	
Primary Additive	30	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	119		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8960	MPa	ASTM D638
Tensile Strength	124	MPa	ASTM D638
Tensile Elongation (Yield)	2.5 - 3.5	%	ASTM D638
Flexural Modulus	8270	MPa	ASTM D790
Flexural Strength	186	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	160	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	800	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	149	°C	ASTM D648
1.8 MPa, not annealed	146	°C	ASTM D648
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
1.50 mm	V-0		UL 94
2.00 mm	5VA		UL 94

Injection	Nominal Value	Unit
Drying Temperature	121	°C
Drying Time	4.0	hr
Dew Point	-28.9	°C
Processing (Melt) Temp	288 - 316	°C
Mold Temperature	82.2 - 121	°C
Injection Pressure	68.9 - 103	MPa

Injection instructions

Desiccant Type Dryer Required.

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

