

RTP 305 TFE 15 SE A

Polycarbonate
RTP Company

Message:
Glass Fiber - PTFE Lubricated - Self Extinguishing - Bromine/Chlorine Free - UL94 HB

General Information			
UL YellowCard	E84658-251456		
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Additive	PTFE lubricant (15%)		
Features	Chlorine Free		
	Lubrication		
	Bromine-free		
	Self-extinguishing		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.54	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.15 - 0.25	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.080	%	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	9310	MPa	ASTM D638
Tensile Strength	110	MPa	ASTM D638
Tensile Elongation (Yield)	2.0 - 3.0	%	ASTM D638
Flexural Modulus	8620	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)	690	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	HB		UL 94
3.00 mm	V-1		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.

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Recommended distributors for this material

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