

RTP 303 TFE 20 SE

Polycarbonate
RTP Company

Message:
Glass Fiber - PTFE Lubricated - Self Extinguishing - Bromine/Chlorine Free - UL94 V-0

General Information			
UL YellowCard	E84658-251453		
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight		
Additive	PTFE lubricant (20%)		
Features	Chlorine Free		
	Lubrication		
	Bromine-free		
	Self-extinguishing		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.50	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.15 - 0.30	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.060	%	ASTM D570
Moisture Content	0.020	%	
Primary Additive	20	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	117		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6210	MPa	ASTM D638
Tensile Strength	89.6	MPa	ASTM D638
Tensile Elongation (Yield)	3.0 - 4.0	%	ASTM D638
Flexural Modulus	5860	MPa	ASTM D790
Flexural Strength	152	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	143	°C	ASTM D648
1.8 MPa, not annealed	138	°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 (6.30 mm)	V-0		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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