

RTP 302 TFE 15

Polycarbonate

RTP Company

Message:

Glass Fiber - PTFE Lubricated

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 15% filler by weight		
Additive	PTFE lubricant (15%)		
Features	Lubrication		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.42	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.15 - 0.35	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.080	%	ASTM D570
Moisture Content	0.020	%	
Primary Additive	15	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5520	MPa	ASTM D638
Tensile Strength	80.7	MPa	ASTM D638
Tensile Elongation (Yield)	2.5 - 3.5	%	ASTM D638
Flexural Modulus	4830	MPa	ASTM D790
Flexural Strength	124	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	110	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	530	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
Flammability	Nominal Value		Test Method
Flame Rating (3.00 mm, ** Values per RTP Company testing.)	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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