

RTP PP 30 GF FR0 BLK

Polypropylene
RTP Company

Message:
Glass Fiber - Flame Retardant - Value Product - UL94

General Information			
UL YellowCard	E84658-519960		
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Flame Retardant		
RoHS Compliance	Contact Manufacturer		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.46	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.10 to 0.30	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7580	MPa	ASTM D638
Tensile Strength	68.9	MPa	ASTM D638
Flexural Modulus	6210	MPa	ASTM D790
Flexural Strength	110	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	96	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, Unannealed	154	°C	
1.8 MPa, Unannealed	143	°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+15	ohms · cm	ASTM D257
Dielectric Strength ¹ (in Oil)	18	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	3.30		ASTM D150
Dissipation Factor (1 MHz)	3.0E-3		ASTM D150
Arc Resistance	85.0	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.800 mm	V-0		
3.00 mm	V-0		
Additional Information	Nominal Value	Unit	

Primary Additive	30	%
Injection	Nominal Value	Unit
Drying Temperature	79.4	°C
Drying Time	2.0	hr
Processing (Melt) Temp	191 to 232	°C
Mold Temperature	32.2 to 65.6	°C
Injection Pressure	68.9 to 103	MPa
NOTE		
1.	Method A (Short-Time)	

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