

RTP 199 X 71878 FR

Polypropylene

RTP Company

Message:

Flame Retardant - Halogen Free - UL94 V-0

General Information			
UL YellowCard	E84658-251578		
Features	Flame Retardant Halogen Free		
RoHS Compliance	Contact Manufacturer		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.49	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (210°C/2.16 kg)	1.0 to 3.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.45 to 0.65	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.030	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	104		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8960	MPa	ASTM D638
Tensile Strength	22.1	MPa	ASTM D638
Tensile Elongation (Yield)	1.0	%	ASTM D638
Flexural Modulus	6550	MPa	ASTM D790
Flexural Strength	44.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	27	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	80	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	135	°C	
1.8 MPa, Unannealed	107	°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+15	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (2.20 mm)	V-0		UL 94
Injection	Nominal Value	Unit	Test Method
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

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Recommended distributors for this material

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