

RTP 199 X 69946

Polypropylene
RTP Company

Message:

Warning: The status of this material is 'Commercial: Limited Issue'
The data for this material has not been recently verified.
Please contact RTP Company for current information prior to specifying this grade.
High Gravity Compound
Mineral
Mineral filled high gravity compound. That material can be vacuum plated.

General Information			
Filler / Reinforcement	Mineral filler		
Features	High specific gravity		
	Electroplateable		
RoHS Compliance	Contact manufacturer		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	2.00	g/cm ³	ISO 1183
shrinkage-Flow (4.00 mm)	0.70 - 0.90	%	ISO 294-4
Water Absorption (23°C, 24 hr)	0.020	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4500	MPa	ISO 527-2
Tensile Stress (Yield)	14.0	MPa	ISO 527-2
Tensile Strain (Break)	10	%	ISO 527-2
Flexural Modulus	3200	MPa	ISO 178
Flexural Stress	30.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ¹	3.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ²	24	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	71.0	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+14	ohms	IEC 60093
Volume Resistivity	> 1.0E+14	ohms · cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating ³ (1.5 mm, Values per RTP Company testing)	HB		ISO 1210
Injection	Nominal Value	Unit	

Drying Temperature	80	°C
Drying Time	2.0	hr
Processing (Melt) Temp	190 - 240	°C
Mold Temperature	30 - 70	°C
Injection Pressure	70.0 - 105	MPa

NOTE

1. 4 mm thickness
2. 4 mm thickness
3. This rating is not intended to reflect hazards of this or any other material under actual fire conditions.

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Recommended distributors for this material

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