

RTP 199 X 91020 A Z

Polypropylene
RTP Company

Message:
Thermally Conductive - Electrically Insulative - FDA Compliant Ingredients

General Information			
Features	Electrically Insulating		
	Thermally Conductive		
RoHS Compliance	Contact Manufacturer		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.00	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.80	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6550	MPa	ASTM D638
Tensile Strength	22.1	MPa	ASTM D638
Tensile Elongation (Yield)	2.5	%	ASTM D638
Flexural Modulus	4830	MPa	ASTM D790
Flexural Strength	44.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	21	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	100	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Thermal Conductivity ¹	0.60	W/m/K	ASTM E1530
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+12	ohms · cm	ASTM D257
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. Through-plane

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