

RTP 799 X 141357

High Density Polyethylene
RTP Company

Message:

ESD Protection - Permanently Static Dissipative - Glass Fiber - Preliminary

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 15% filler by weight		
Features	Electrostatic discharge protection		
	Static conduction		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.06	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.40 - 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2760	MPa	ASTM D638
Tensile Strength	37.9	MPa	ASTM D638
Tensile Elongation (Yield)	4.0 - 8.0	%	ASTM D638
Flexural Modulus	2070	MPa	ASTM D790
Flexural Strength	48.3	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
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+8 - 9.9E+9	ohms	ASTM D257
Volume Resistivity	1.0E+7 - 9.9E+8	ohms · cm	ASTM D257
Static Decay		sec	FTMS 101C 4046.1
Primary Additive	15	%	
Injection	Nominal Value	Unit	
Drying Temperature	79	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	193 - 232	°C	
Mold Temperature	21 - 66	°C	
Injection Pressure	68.9 - 103	MPa	
Injection instructions			

Do not exceed 520 °F (270 °C) melt temperature.Desiccant Type Dryer Required.

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

