RTP 799 X 144652 B EG

High Density Polyethylene

RTP Company

Message:

ESD Protection - Extrusion Grade - Preliminary Datasheet

General Information	
Features	Electrostatic discharge protection
RoHS Compliance	Contact manufacturer
Processing Method	Extrusion
	Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.08	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR)	< 1.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	1.0 - 3.0	%	ASTM D955
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	1380	MPa	ASTM D638
Tensile Strength	27.6	MPa	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	1240	MPa	ASTM D790
Flexural Strength	34.5	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (3.20 mm)	53	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	1200	J/m	ASTM D4812
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+6 - 1.0E+12	ohms	ASTM D257
Volume Resistivity	1.0E+5 - 1.0E+10	ohms·cm	ASTM D257
Injection	**Nominal Value**	**Unit**	
Injection Pressure	68.9 - 103	MPa	
Extrusion	**Nominal Value**	**Unit**	
Drying Temperature	79	°C	
Drying Time	2.0	hr	
Melt Temperature	193 - 232	°C	
Die Temperature	21 - 66	°C	

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Susheng Import & Export Trading Co.,Ltd.

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

