

RTP 799 A X 128004 D EG

Low Density Polyethylene

RTP Company

Message:

ESD Protection - Electrically Conductive - Extrusion Grade

General Information			
Features	Electrically Conductive		
	ESD Protection		
RoHS Compliance	Contact Manufacturer		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.2	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	1.8 to 2.5	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	276	MPa	ASTM D638
Tensile Strength	9.65	MPa	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	276	MPa	ASTM D790
Flexural Strength	11.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	480	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	No Break		ASTM D4812
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity			
--	< 1.0E+6	ohms	ASTM D257
--	< 1.0E+5	ohms	ESD STM11.11
Volume Resistivity	< 1.0E+4	ohms · cm	ASTM D257
Static Decay	< 0.5	sec	FTMS 101C 4046.1
Injection	Nominal Value	Unit	
Injection Pressure	68.9 to 103	MPa	
Extrusion	Nominal Value	Unit	
Drying Temperature	79.4	°C	
Drying Time	2.0	hr	
Melt Temperature	193 to 232	°C	

Die Temperature

21.1 to 65.6

°C

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Recommended distributors for this material

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