

RTP 799 A X 128004 D

Low Density Polyethylene

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."

General Information			
Features	Electrically Conductive		
	ESD Protection		
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	< 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	
Drying Temperature	79.4	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	193 to 232	°C	
Mold Temperature	21.1 to 65.6	°C	
Injection Pressure	68.9 to 103	MPa	

NOTE

1. ESD STM11.11

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Recommended distributors for this material

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