

RTP 699 X 138787 E Nat/Clear

Acrylonitrile Butadiene Styrene

RTP Company

Message:

Permanently Static Dissipative - ESD Protection - Transparent Grade

General Information			
Features	Electrostatic discharge protection		
	Static conduction		
RoHS Compliance	Contact manufacturer		
Appearance	Clear/transparent		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.11	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.50 - 0.80	%	ASTM D955
Moisture Content	0.10	%	
Static Decay		sec	FTMS 101C 4046.1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1590	MPa	ASTM D638
Tensile Strength	33.1	MPa	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	1790	MPa	ASTM D790
Flexural Strength	56.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	160	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	No Break		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
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.5 mm, ** Values per RTP Company testing.)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	82	°C	
Drying Time	2.0 - 4.0	hr	
Dew Point	-18	°C	
Processing (Melt) Temp	199 - 238	°C	
Mold Temperature	49 - 93	°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

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