

RTP 699 X 118417 EG

Acrylonitrile Butadiene Styrene

RTP Company

Message:

Extrusion Grade - Permanently Static Dissipative - ESD Protection

General Information			
Features	Electrostatic discharge protection		
	Static conduction		
RoHS Compliance	Contact manufacturer		
Processing Method	Extrusion		
	Extrusion		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.50 - 0.70	%	ASTM D955
Moisture Content	0.10	%	
Static Decay ¹		sec	FTMS 101C 4046.1

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1380	MPa	ASTM D638
Tensile Strength	28.3	MPa	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	1590	MPa	ASTM D790
Flexural Strength	46.9	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)	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

Injection	Nominal Value	Unit
Dew Point	-18	°C

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

Extrusion	Nominal Value	Unit
Drying Temperature	82	°C
Drying Time	2.0	hr
Melt Temperature	204 - 238	°C

NOTE			
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MIL-PRF-81705D, 5kV to 50 V, 12%
RH

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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

