

RTP 2799 S X 118623 C

Styrene Ethylene Butylene Styrene Block Copolymer

RTP Company

Message:

EMI/RFI Shielding

General Information			
Features	Electromagnetic shielding (EMI)		
	Radio frequency shielding (RFI)		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.70	g/cm ³	ASTM D792
Moisture Content		%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	65		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (100% Strain, 3.18 mm)	2.76	MPa	ASTM D412
Tensile Strength ² (Break, 3.20 mm)	2.79	MPa	ASTM D412
Tensile Elongation ³ (Break)	260	%	ASTM D412
Tear Strength ⁴	21.9	kN/m	ASTM D624
Compression Set ⁵			ASTM D395B
23°C, 22 hr	12	%	ASTM D395B
70°C, 22 hr	66	%	ASTM D395B
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	< 1.0	ohms · cm	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	76.7	°C	
Drying Time	2.0 - 3.0	hr	
Processing (Melt) Temp	204	°C	
Mold Temperature	21.1 - 60.0	°C	
Injection instructions			
Use a reverse barrel profile. Remove hopper magnets. Allow 4 - 5 shots to properly disperse the conductive fibers. The surface finish should have a silver streaking appearance, not clumps.			
NOTE			
1.	Mouth die C, 510mm/min		
2.	C mold, 500 mm/min		
3.	Mouth die C, 500 mm/min		
4.	C mould		

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