

RTP 2700 S-50A

Styrene Ethylene Butylene Styrene Block Copolymer

RTP Company

Message:

General Purpose

General Information			
Features	General Purpose		
Uses	General Purpose		
RoHS Compliance	Contact Manufacturer		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.890	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	2.0 to 3.0	%	ASTM D955
Moisture Content	0.040	%	
Peel Strength			
PP ¹	> 6.1	kN/m	
PP (30% VLF) ²	> 6.1	kN/m	
PP (50% VLF) ³	3.2	kN/m	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	49		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	1.28	MPa	ASTM D412
Tensile Strength (Yield)	5.87	MPa	ASTM D412
Tensile Elongation (Yield)	700	%	ASTM D412
Tear Strength ⁴	25.6	kN/m	ASTM D624
Compression Set ⁵			ASTM D395B
23°C, 22 hr	16	%	
70°C, 22 hr	41	%	
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm, ** Values per RTP Company testing.)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	71.1	°C	
Drying Time	2.0 to 4.0	hr	
Processing (Melt) Temp	163 to 204	°C	
Mold Temperature	15.6 to 37.8	°C	
Injection Pressure	34.5 to 68.9	MPa	
NOTE			
1.	90°, 20 in/min, RTP 55, Overmold Failure		

2.	90°, 20 in/min, RTP 55, Interface Failure
3.	90°, 20 in/min, RTP 55, Interface Failure
4.	Die C
5.	Type 2

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