VECTOR® 4211N

Styrene Isoprene Styrene Block Copolymer

TSRC Corporation

Message:

Linear SIS triblock copolymer.
Contains <1% diblock copolymer.
Medium styrene, medium modulus.
VECTOR 4211A and VECTOR 4211N styrenic block copolymers are linear triblock copolymers with narrow molecular weight distributions. They have a higher styrene content and higher modulus than VECTOR 4111A SIS, making them well-suited for use in elastomer compounds, polymer modification applications and pressure sensitive adhesive applications requiring high cohesion.
VECTOR 4211A SIS is offered as a dense pellet supplied from the United States.
VECTOR 4211N SIS is offered as a porous pellet supplied from China.

General Information			
Features	Narrow Molecular Weight Distribution		
Uses	Adhesives Plastics Modification		
Forms	Pellets		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.938	g/cm³	ASTM D792
Apparent Density	0.33	g/cm³	ASTM D1895
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	13	g/10 min	ASTM D1238
Bound Styrene	30.0	%	
Ash Content	0.3	wt%	
Solution Viscosity - in 25 wt% Toluene (25°C)	300	mPa·s	
Diblock Content	< 1.0	wt%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A, 1 sec, Compression Molded)	60		ASTM D2240
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress [1] (300% Strain)	4.20	MPa	Internal Method
Tensile Strength [2] (Break)	24.0	MPa	Internal Method
Tensile Elongation [3] (Break)	1000	%	Internal Method
NOTE			
1.	Compression Molded		
2.	Compression Molded		
3.	Compression Molded		

Recommended distributors for this material

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