VECTOR® 4114N

Styrene Isoprene Styrene + SI Block Copolymer

TSRC Corporation

Message:

Blend of linear SIS triblock and SI diblock copolymer.
Contains ~42% SI diblock copolymer.
Low styrene, very low modulus.
VECTOR 4114A and VECTOR 4114N styrenic block copolymers are blended products composed of a linear SIS triblock copolymer and an SI diblock copolymer. They are softer than VECTOR 4113A SIS/SI due to higher diblock content, making them well-suited for use in hot melt pressure sensitive adhesives, elastomer compounds and photopolymer plate applications.
VECTOR 4114A SIS/SI is offered as a dense pellet supplied from the United States.
VECTOR 4114N SIS/SI is offered as a porous pellet supplied from China.

General Information			
Features	Soft		
Uses	Adhesives		
Forms	Pellets		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.918	g/cm³	ASTM D792
Apparent Density	0.33	g/cm³	ASTM D1895
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	25	g/10 min	ASTM D1238
Bound Styrene	15.0	%	
Ash Content	0.6	wt%	
Solution Viscosity - in 25 wt% Toluene (25°C)	700	mPa·s	
Diblock Content	42.0	wt%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A, 1 sec, Compression Molded)	26		ASTM D2240
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress [1] (300% Strain)	0.700	MPa	Internal Method
Tensile Strength [2] (Break)	13.0	MPa	Internal Method
Tensile Elongation [3] (Break)	1500	%	Internal Method
NOTE			
1.	Compression Molded		
2.	Compression Molded		
3.	Compression Molded		

Recommended distributors for this material

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