

VECTOR® 4213N

Styrene Isoprene Styrene + SI Block Copolymer

TSRC Corporation

Message:

Blend of linear SIS triblock and SI diblock copolymer.
Contains ~25% SI diblock copolymer.
Medium styrene.
VECTOR 4213A and VECTOR 4213N styrenic block copolymers are blended products composed of a linear SIS triblock copolymer and an SI diblock copolymer. They are well-suited for use in hot melt adhesives for hygiene applications requiring superior cohesive strength and heat resistance along with low creep compliance.
VECTOR 4213A SIS/SI is offered as a dense pellet supplied from the United States.
VECTOR 4213N SIS/SI is offered as a porous pellet supplied from China.

General Information			
Features	Good Creep Resistance		
	High Heat Resistance		
Uses	Adhesives		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.938	g/cm ³	ASTM D792
Apparent Density	0.33	g/cm ³	ASTM D1895
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	12	g/10 min	ASTM D1238
Bound Styrene	25.0	%	
Ash Content	0.3	wt%	
Solution Viscosity - in 25 wt% Toluene (25°C)	370	mPa · s	
Diblock Content	25.0	wt%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 1 sec, Compression Molded)	51		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (300% Strain)	2.90	MPa	Internal Method
Tensile Strength ² (Break)	15.0	MPa	Internal Method
Tensile Elongation ³ (Break)	1100	%	Internal Method
NOTE			
1.	Compression Molded		
2.	Compression Molded		
3.	Compression Molded		

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