

VECTOR® 4187A

Styrene Isoprene Branched Copolymer

TSRC Corporation

Message:

Radial (SI)n block copolymer.
Contains ~78% SI diblock copolymer.
Low styrene.
VECTOR 4187A styrenic block copolymer is a radial block copolymer with a narrow molecular weight distribution. It is well-suited for use in low viscosity hot melt pressure sensitive adhesive applications requiring excellent adhesion to low energy surfaces, low migration characteristics, and enhanced die-cutting characteristics.
VECTOR 4187A (SI) n is offered as a dense pellet supplied from the United States.

General Information			
Features	Good Adhesion		
	Narrow Molecular Weight Distribution		
Uses	Adhesives		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.928	g/cm ³	ASTM D792
Apparent Density	0.55	g/cm ³	ASTM D1895
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	13	g/10 min	ASTM D1238
Bound Styrene	18.0	%	
Ash Content	0.6	wt%	
Solution Viscosity - in 25 wt% Toluene (25°C)	630	mPa · s	
Diblock Content	78.0	wt%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 1 sec, Compression Molded)	25		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (300% Strain)	0.700	MPa	Internal Method
Tensile Strength ² (Break)	3.20	MPa	Internal Method
Tensile Elongation ³ (Break)	1400	%	Internal Method
NOTE			
1.	Compression Molded		
2.	Compression Molded		
3.	Compression Molded		

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