

VECTOR 4215A

Styrene-Isoprene-Styrene / Styrene-Isoprene (SIS/SI) Block Copolymer Blend

- Blend of linear SIS⁽¹⁾ triblock and SI⁽¹⁾ diblock copolymer.
- Contains ~18% SI diblock copolymer.
- Medium styrene.

VECTOR 4215A styrenic block copolymer is a blended product composed of a linear SIS triblock copolymer and an SI diblock copolymer. It is well-suited for use in hot melt adhesives for hygiene applications requiring superior cohesive strength and heat resistance along with low creep compliance.

- VECTOR 4215A SIS/SI is offered as a dense pellet supplied from the United States.

Polymer Properties	Test Method	Units	Typical Value ⁽²⁾
Styrene	TSRC / Dexco Method	wt%	30
Diblock Content	TSRC / Dexco Method	wt%	18
Melt Flow Rate (200°C/5kg)	ASTM D1238	g/10 min	9
Solution Viscosity ⁽³⁾	ASTM D2196	cps	300
Ash	ASTM D5630	wt%	0.3
Physical Properties			
Tensile at Break ⁽⁴⁾	ISO 37	MPa	11
Stress at 300% Elongation ⁽⁴⁾	ISO 37	MPa	3.6
Elongation at Break ⁽⁴⁾	ISO 37	%	1000
Hardness ⁽⁵⁾	ASTM D2240	Shore A	58
Bulk Density	ASTM D1895	g/cm ³	0.55
Specific Gravity	ASTM D792		0.94

1) SIS denotes a linear styrene-isoprene-styrene triblock copolymer; SI denotes a styrene-isoprene diblock copolymer.

2) Not to be construed as specifications.

3) 25 wt% in Toluene; 25°C.

4) Roll-milled, compression-molded plaques.

5) Dwell time - 1 second.

TSRC

