

## VECTOR 4186A Styrene-Isoprene (SI)<sub>n</sub> Block Copolymer

- Radial (SI)<sub>n</sub><sup>(1)</sup> block copolymer.
- Contains ~73% SI<sup>(1)</sup> diblock copolymer.
- Low styrene.

VECTOR 4186A 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 4186A (SI)<sub>n</sub> is offered as a dense pellet supplied from the United States.

Polymer Properties	Test Method	Units	Typical Value <sup>(2)</sup>
Styrene	TSRC / Dexco Method	wt%	18
Diblock Content	TSRC / Dexco Method	wt%	73
Melt Flow Rate (200°C/5kg)	ASTM D1238	g/10 min	22
Solution Viscosity <sup>(3)</sup>	ASTM D2196	cps	540
Ash	ASTM D5630	wt%	0.7
Physical Properties			
Tensile Strength <sup>(4)</sup>	TSRC / Dexco Method	MPa	3.5
300% Modulus <sup>(4)</sup>	TSRC / Dexco Method	MPa	0.8
Elongation <sup>(4)</sup>	TSRC / Dexco Method	%	1400
Hardness <sup>(5)</sup>	ASTM D2240	Shore A	28
Bulk Density	ASTM D1895	g/cm <sup>3</sup>	0.55
Specific Gravity	ASTM D792		0.93

1) (SI)<sub>n</sub> denotes a radial styrene-isoprene block 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.