VECTOR®
STYRENIC BLOCK COPOLYMERS

VECTOR 4187A

Styrene-Isoprene $(SI)_n$ Block Copolymer

- Radial $(SI)_n$ [1] block copolymer.
- Contains ~78% SI [1] 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.

Polymer Properties	Test Method	Units	Typical Value [2]
Styrene	TSRC / Dexco Method	wt%	18
Diblock Content	TSRC / Dexco Method	wt%	78
Melt Flow Rate (200°C/5kg)	ASTM D1238	g/10 min	13
Solution Viscosity [3]	ASTM D2196	cps	630
Ash	ASTM D5630	wt%	0.6
Physical Properties			
Tensile Strength [4]	TSRC / Dexco Method	MPa	3.2
300% Modulus [4]	TSRC / Dexco Method	MPa	0.7
Elongation [4]	TSRC / Dexco Method	%	1380
Hardness [5]	ASTM D2240	Shore A	25
Bulk Density	ASTM D1895	g/cm^3	0.55
Specific Gravity	ASTM D792		0.93

1) $(SI)_n$ 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.

TSRC