

## VECTOR<sup>®</sup> 4186AS

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

VECTOR<sup>®</sup> 4186AS styrenic block copolymer is a radial block copolymer with a narrow molecular weight distribution.

The product exhibits the following characteristics:

- Low styrene content, excellent adhesion to low surface energy materials, low migration and enhanced die cutting.
  - Well-suited for use in low viscosity hot melt pressure-sensitive adhesive.
- VECTOR<sup>®</sup> 4186AS is offered as a dense pellet supplied from the United States.

Polymer Properties	Test Method	Unit	Typical Value <sup>(1)</sup>
Specific Gravity	ASTM D792	-	0.93
Hardness <sup>(2)</sup>	ASTM D2240	Shore A	28
Tensile at Break <sup>(3)</sup>	ISO 37	MPa	2.4
Stress at 300% Elongation <sup>(3)</sup>	ISO 37	MPa	1.9
Elongation at Break <sup>(3)</sup>	ISO 37	%	700
Solution Viscosity <sup>(4)</sup>	ASTM D2196	cps	540

Sales Specification	Test Method	Unit	Range	
			Min	Max
Styrene	TSRC Method	wt%	17.0	18.5
Diblock Content	TSRC Method	wt%	70.0	75.0
Volatile Matter	TSRC Method	wt%	0.0	0.50
Ash	ASTM D5630	wt%	0.10	0.35
Melt Flow Rate (200°C/5kg)	ASTM D1238	g/10 min	17.0	26.0

- 1) Typical values intended only as guides and should not to be construed as specifications  
 2) Dwell time - 1 second  
 3) Roll-milled, compression-molded plaques  
 4) 25 wt% in Toluene; 25°C