

## VECTOR<sup>®</sup> 4116ND

### Styrene-Isoprene-Styrene / Styrene-Isoprene (SIS/SI) Block Copolymer Blends

VECTOR<sup>®</sup> 4116ND is a blended product composed of a linear SIS triblock copolymer and a SI diblock copolymer.

The product exhibits the following characteristics:

- Low styrene content and high diblock copolymer content.
- Excellent balance between adhesion and cohesion.
- Well-suited for use in labels and tape.
- VECTOR<sup>®</sup> 4116ND (SIS/SI) is offered as a dense pellet supplied from China PRC.

Polymer Properties	Test Method	Unit	Typical Value <sup>(1)</sup>
Specific Gravity	ASTM D792	-	0.92
Hardness <sup>(2)</sup>	ASTM D2240	Shore A	36
Tensile at Break <sup>(3)</sup>	ISO 37	MPa	8
Stress at 300% Elongation <sup>(3)</sup>	ISO 37	MPa	0.6
Elongation at Break <sup>(3)</sup>	ISO 37	%	1400
Solution Viscosity <sup>(4)</sup>	ASTM D2196	cP	-

Sales Specification	Test Method	Unit	Range	
			Min	Max
Styrene	TSRC Method	wt%	15.2	16.8
Diblock Content	TSRC Method	wt%	52.0	58.0
Volatile Matter	TSRC Method	wt%	-	0.50
Ash	ASTM D5667	wt%	0.10	0.50
Melt Flow Rate (200°C/5kg)	ASTM D1238	g/10 min	9.0	15.0

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

