

VECTOR[®] 4114ND

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

VECTOR[®] 4114ND is a blended product composed of a linear SIS triblock copolymer and a SI diblock copolymer.

The product exhibits the following characteristics:

- Softer due to higher diblock copolymer content.
- Well-suited for use in hot melt pressure sensitive adhesives, elastomer compounds and photopolymer plate applications.
- VECTOR[®] 4114ND (SIS/SI) is offered as a dense pellet supplied from China PRC.

Polymer Properties	Test Method	Unit	Typical Value ⁽¹⁾
Specific Gravity	ASTM D792	-	0.92
Hardness ⁽²⁾	ASTM D2240	Shore A	26
Tensile at Break ⁽³⁾	ISO 37	MPa	11
Stress at 300% Elongation ⁽³⁾	ISO 37	MPa	0.6
Elongation at Break ⁽³⁾	ISO 37	%	1400
Solution Viscosity ⁽⁴⁾	ASTM D2196	cP	700

Sales Specification	Test Method	Unit	Range	
			Min	Max
Styrene	TSRC Method	wt%	14.5	16.0
Diblock Content	TSRC Method	wt%	40.0	43.0
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	20.0	30.0

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