

VECTOR[®] 4113ND

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

VECTOR[®] 4113ND 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 lower styrene content and presence of diblock copolymer.
- Well-suited for use in hot melt pressure sensitive adhesives, elastomer compounds and photopolymer plate.
- VECTOR[®] 4113ND (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	33
Tensile at Break ⁽³⁾	ISO 37	MPa	20
Stress at 300% Elongation ⁽³⁾	ISO 37	MPa	0.8
Elongation at Break ⁽³⁾	ISO 37	%	1300
Solution Viscosity ⁽⁴⁾	ASTM D2196	cP	1240

Sales Specification	Test Method	Unit	Range	
			Min	Max
Styrene	TSRC Method	wt%	14.5	16.0
Diblock Content	TSRC Method	wt%	17.0	20.0
Volatile Matter	TSRC Method	wt%	-	0.50
Ash	ASTM D5667	wt%	0.10	0.40
Melt Flow Rate (200°C/5kg)	ASTM D1238	g/10 min	8.7	12.3

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

