

VECTOR[®]4411ND

Styrene-Isoprene-Styrene (SIS) Block Copolymer

VECTOR[®]4411ND is a linear triblock copolymer with narrow molecular weight distributions.

The product exhibits the following characteristics:

- High styrene content and high modulus.
- Well-suited for use in elastomer compounds, polymer modification and pressure sensitive adhesive applications requiring high cohesion.

VECTOR[®]4411ND (SIS) is offered as a dense pellet supplied from China PRC.

Polymer Properties	Test Method	Unit	Typical Value ⁽¹⁾
Specific Gravity	ASTM D792	-	0.96
Hardness ⁽²⁾	ASTM D2240	Shore A	90
Tensile at Break ⁽³⁾	ISO 37	MPa	20
Stress at 300% Elongation ⁽³⁾	ISO 37	MPa	8.5
Elongation at Break ⁽³⁾	ISO 37	%	750
Solution Viscosity ⁽⁴⁾	ASTM D2196	cP	120

Sales Specification	Test Method	Unit	Range	
			Min	Max
Styrene	TSRC Method	wt%	42.5	46.5
Diblock Content	TSRC Method	wt%	-	1.0
Volatile Matter	TSRC Method	wt%	-	0.50
Ash	ASTM D5667	wt%	0.05	0.50
Melt Flow Rate (200°C/5kg)	ASTM D1238	g/10 min	35.0	45.0

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

VECTOR[®]4411ND styrenic block copolymers are produced via TSRC's proprietary anionic polymerization technology.

VECTOR[®] styrenic block copolymers are available in several different packaging types. Consult your TSRC Sales Representative for more information on packaging options and regulatory compliance information.

TSRC