

VECTOR[®] 4411S Styrene-Isoprene-Styrene (SIS) Block Copolymer

- Linear SIS triblock copolymer.
- Contains <1% diblock copolymer.
- High styrene, high modulus, low viscosity.

VECTOR 4411S styrenic block copolymer is a linear triblock copolymer with a narrow molecular weight distribution. It has excellent creep resistance and is well-suited for use in hot melt adhesives, disposable diaper applications and the compatibilization of styrenic/olefinic polymer blends. VECTOR 4411S does not contain talc.

- VECTOR 4411S SIS is offered as a dense/porous pellet supplied from the United States.

Polymer Properties	Test Method	Unit	Typical Value ⁽¹⁾
Specific Gravity	ASTM D792	-	0.96
Hardness ⁽²⁾	ASTM D2240	Shore A	83
Tensile at Break ⁽³⁾	ISO 37	MPa	25
Stress at 300% Elongation ⁽³⁾	ISO 37	MPa	7.7
Elongation at Break ⁽³⁾	ISO 37	%	900
Solution Viscosity ⁽⁴⁾	ASTM D2196	cP	120

Sales Specification	Test Method	Unit	Range	
			Min	Max
Styrene	TSRC Method	wt%	42.0	46.5
Diblock Content	TSRC Method	wt%	0	1
Volatile Matter	TSRC Method	wt%	0	0.5
Ash	ASTM D5630	wt%	0.02	0.25
Melt Flow Rate (200°C/5kg)	ASTM D1238	g/10 min	30	50

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