

VECTOR[®] 4258ND Styrene-Isoprene-Styrene (SIS) Block Copolymer

VECTOR[®] 4258ND is a linear triblock copolymer.

The product exhibits the following characteristics:

- Well-suited direct feeding or blending with other ingredients in elastomeric films extrusion applications.
- VECTOR[®] 4258ND (SIS) is offered as a dense pellet supplied from China PRC.

Polymer Properties	Test Method	Unit	Typical Value ⁽¹⁾
Specific Gravity	ASTM D792	-	0.94
Hardness ⁽²⁾	ASTM D2240	Shore A	45
Tensile at Break ⁽³⁾	ISO 37	MPa	20
Stress at 300% Elongation ⁽³⁾	ISO 37	MPa	1.5
Elongation at Break ⁽³⁾	ISO 37	%	885
Solution Viscosity ⁽⁴⁾	ASTM D2196	cP	-

Sales Specification	Test Method	Unit	Range	
			Min	Max
Styrene	TSRC Method	wt%	25.5	28.5
Volatile Matter	TSRC Method	wt%	-	0.30
Ash	ASTM D5667	wt%	0.05	0.40
Melt Flow Rate (200°C/5kg)	ASTM D1238	g/10 min	7.0	13.0

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

