

VECTOR[®] 2518A Styrene-Butadiene-Styrene (SBS) Block Copolymer

VECTOR[®] 2518A is a linear triblock copolymer with narrow molecular weight distributions.

The product exhibits the following characteristics:

- Excellent thermoplastic elastomer properties and physical strength and better creep resistance.
- Well-suited for use in elastomer compounds as a modifier in styrenics.
- VECTOR[®] 2518A (SBS) is offered as a porous pellet supplied from United States.

Polymer Properties	Test Method	Unit	Typical Value ⁽¹⁾
Specific Gravity	ASTM D792	-	0.94
Hardness ⁽²⁾	ASTM D2240	Shore A	80
Tensile at Break ⁽³⁾	ISO 37	MPa	21
Stress at 300% Elongation ⁽³⁾	ISO 37	MPa	3.2
Elongation at Break ⁽³⁾	ISO 37	%	700
Solution Viscosity ⁽⁴⁾	ASTM D2196	cP	3900

Sales Specification	Test Method	Unit	Range	
			Min	Max
Styrene	TSRC Method	wt%	29.5	32.5
Diblock Content	TSRC Method	wt%	-	1.0
Volatile Matter	TSRC Method	wt%	-	1.00
Ash	ASTM D5630	wt%	0.45	1.00
Melt Flow Rate (200°C/10kg)	ASTM D1238	g/10 min	3.0	8.0

- 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

