

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

- Linear SBS ⁽¹⁾ triblock copolymer
- Contains <1% diblock copolymer
- Medium styrene, medium modulus

VECTOR 2518AP styrenic block copolymer is a linear triblock copolymer with a narrow molecular weight distribution. It is similar to VECTOR 2518A SBS and is used in applications in the construction market.

- VECTOR 2518AP SBS is offered as a <12 mesh powder supplied from the 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	33
Stress at 300% Elongation ⁽³⁾	ISO 37	MPa	4.2
Elongation at Break ⁽³⁾	ISO 37	%	700
Solution Viscosity ⁽⁴⁾	ASTM D2196	cps	3900

Sales Specification	Test Method	Unit	Range	
			Min	Max
Styrene	TSRC Method	wt%	29.5	32.5
Diblock Content	TSRC Method	wt%	0.0	1.0
Volatile Matter	TSRC Method	wt%	0.0	1.0
Ash	ASTM D5630	wt%	0.0	6.0
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

VECTOR 2518AP styrenic block copolymer is produced via TSRC Specialty Materials LLC's proprietary anionic polymerization technology.