

VECTOR 8508A

Styrene-Butadiene-Styrene (SBS) Block Copolymer

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

VECTOR 8508A styrenic block copolymer is a linear triblock copolymer with a narrow molecular weight distribution. It has excellent thermoplastic elastomer properties and physical strength, and superior melt processability when compared to VECTOR 2518A SBS. It is well-suited for use in elastomer compounds, as an impact/toughness modifier in styrenics, and in formulating adhesives.

- VECTOR 8508A SBS is offered as a porous pellet supplied from the United States.

Polymer Properties	Test Method	Units	Typical Value ⁽²⁾
Styrene	TSRC / Dexco Method	wt%	29
Diblock Content	TSRC / Dexco Method	wt%	<1
Melt Flow Rate (200°C/5kg)	ASTM D1238	g/10 min	12
Solution Viscosity ⁽³⁾	ASTM D2196	cps	1130
Ash	ASTM D5630	wt%	0.8
Physical Properties			
Tensile at Break ⁽⁴⁾	ISO 37	MPa	20
Stress at 300% Elongation ⁽⁴⁾	ISO 37	MPa	4.6
Elongation at Break ⁽⁴⁾	ISO 37	%	900
Hardness ⁽⁵⁾	ASTM D2240	Shore A	67
Bulk Density	ASTM D1895	g/cm ³	0.41
Specific Gravity	ASTM D792		0.94

1) SBS denotes a linear styrene-butadiene-styrene triblock copolymer.

2) Not to be construed as specifications.

3) 25 wt% in Toluene; 25°C.

4) Roll-milled, compression-molded plaques.

5) Dwell time - 1 second.

VECTOR 8508A styrenic block copolymer is produced via TSRC / Dexco's proprietary anionic polymerization technology.

VECTOR styrenic block copolymers are available in a number of different packaging types. Consult your TSRC / Dexco Sales Representative for more information on packaging options and for regulatory compliance information.

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