

# VECTOR 8508

## Styrene-Butadiene-Styrene (SBS) Block Copolymer

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

VECTOR 8508 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 2518 SBS. It is formulated with the antioxidant tris(nonylphenyl) phosphite (TNPP).

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

Polymer Properties	Test Method	Units	Typical Value <sup>(2)</sup>
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 <sup>(3)</sup>	ASTM D2196	cps	1130
Ash	ASTM D5630	wt%	0.8
Physical Properties			
Tensile Strength <sup>(4)</sup>	TSRC / Dexco Method	MPa	37
300% Modulus <sup>(4)</sup>	TSRC / Dexco Method	MPa	4.0
Elongation <sup>(4)</sup>	TSRC / Dexco Method	%	900
Hardness <sup>(5)</sup>	ASTM D2240	Shore A	67
Bulk Density	ASTM D1895	g/cm <sup>3</sup>	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.

TSRC

DEXCO

