

VECTOR 2518

Styrene-Butadiene-Styrene (SBS) Block Copolymer

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

VECTOR 2518 styrenic block copolymer is a linear triblock copolymer with a narrow molecular weight distribution. It has excellent thermoplastic elastomer properties and outstanding physical strength, making it well-suited for use as a binder in elastomer compounds. It is formulated with the antioxidant tris(nonylphenyl) phosphite (TNPP).

- VECTOR 2518 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%	31
Diblock Content	TSRC / Dexco Method	wt%	<1
Melt Flow Rate ⁽³⁾	ASTM D1238	g/10 min	5
Solution Viscosity ⁽⁴⁾	ASTM D2196	cps	3900
Ash	ASTM D5630	wt%	0.7
Physical Properties			
Tensile Strength ⁽⁵⁾	TSRC / Dexco Method	MPa	33
300% Modulus ⁽⁵⁾	TSRC / Dexco Method	MPa	4.2
Elongation ⁽⁵⁾	TSRC / Dexco Method	%	700
Hardness ⁽⁶⁾	ASTM D2240	Shore A	80
Bulk Density	ASTM D1895	g/cm ³	0.36
Specific Gravity	ASTM D792		0.94

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

2) Not to be construed as specifications.

3) Modified MFR conditions: 200°C/10kg; 0.1564" capillary.

4) 25 wt% in Toluene; 25°C.

5) Roll-milled, compression-molded plaques.

6) Dwell time - 1 second.

TSRC

DEXCO

