

VECTOR 7400

Styrene-Butadiene-Styrene (SBS) Block Copolymer

- Linear SBS ⁽¹⁾ triblock copolymer.
- Contains <1% diblock copolymer.
- Contains ~33% white mineral oil.
- Medium styrene, low modulus.

VECTOR 7400 styrenic block copolymer is a linear triblock copolymer with a narrow molecular weight distribution. It has excellent thermoplastic elastomer properties and melt processability, making it well-suited for use in elastomer compounds and as an impact/toughness modifier in styrenics. It is formulated with the antioxidant tris(nonylphenyl) phosphite (TNPP).

- VECTOR 7400 SBS is offered as a porous pellet and 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 (200°C/5kg)	ASTM D1238	g/10 min	18
Solution Viscosity ⁽³⁾	ASTM D2196	cps	590
Ash	ASTM D5630	wt%	0.6
Physical Properties			
Tensile Strength ⁽⁴⁾	TSRC / Dexco Method	MPa	19
300% Modulus ⁽⁴⁾	TSRC / Dexco Method	MPa	2.6
Elongation ⁽⁴⁾	TSRC / Dexco Method	%	1200
Hardness ⁽⁵⁾	ASTM D2240	Shore A	48
Bulk Density	ASTM D1895	g/cm ³	0.38
Specific Gravity	ASTM D792		0.92

- 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 (200°C).
- 5) Dwell time - 1 second.

TSRC

DEXCO

