

VECTOR 6241A

Styrene-Butadiene-Styrene (SBS) Block Copolymer

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

VECTOR 6241A styrenic block copolymer is a linear triblock copolymer with a narrow molecular weight distribution. It has excellent melt processability and physical strength, and is well-suited for use as an impact/toughness modifier in styrenics, in compatibilization of styrenic/olefinic polymer blends, and in formulating adhesives.

- VECTOR 6241A 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%	43
Diblock Content	TSRC / Dexco Method	wt%	<1
Melt Flow Rate (200°C/5kg)	ASTM D1238	g/10 min	23
Solution Viscosity ⁽³⁾	ASTM D2196	cps	350
Ash	ASTM D5630	wt%	0.7
Physical Properties			
Tensile Strength ⁽⁴⁾	TSRC / Dexco Method	MPa	40
300% Modulus ⁽⁴⁾	TSRC / Dexco Method	MPa	8.1
Elongation ⁽⁴⁾	TSRC / Dexco Method	%	700
Hardness ⁽⁵⁾	ASTM D2240	Shore A	85
Bulk Density	ASTM D1895	g/cm ³	0.42
Specific Gravity	ASTM D792		0.96

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 6241A 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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