

VECTOR 6507

Styrene-Butadiene-Styrene (SBS) Block Copolymer

- Linear, pure triblock copolymer.
- Contains <1% diblock.
- High styrene, high modulus copolymer.
- Outstanding thermal stability.
- Outstanding melt processability.
- VECTOR styrenic block copolymers find use under certain FDA regulations as articles or as ingredients in articles intended for food contact or medical applications. Please contact your Dexco Polymers agent for a detailed letter of certification or further information.

VECTOR 6507 styrene-butadiene-styrene block copolymer is produced via anionic polymerization technology from Dexco Polymers LP, a Dow/ ExxonMobil Venture.

VECTOR 6507 is a linear, pure SBS⁽¹⁾ triblock copolymer. It is a high styrene, low viscosity product. It contains <1% diblock. It has high modulus and low creep properties. It is the least elastic of the SBS family of products. A high performance, flexible thermoplastic resin that is designed for use in crystal polystyrene/styrene-butadiene copolymer (PS/K-Resin*) blends. It has excellent physical strength and outstanding melt processability.

Properties	TEST METHOD	Unit	Typical Value
<i>Resin Properties</i>			
Styrene	Dexco Method	Wt. %	43
Diblock Content	Dexco Method	Wt. %	<1.0
MFR ⁽²⁾	ASTM D 1238	g/ 10 min.	23
Ash	ASTM D 1416	Wt. %	0.7
<i>Physical Properties</i>			
Tensile Strength ⁽³⁾	ASTM D 412	PSI	4500
300% Modulus ⁽³⁾	ASTM D 412	PSI	1275
Elongation ⁽³⁾	ASTM D 412	%	700
Hardness ⁽⁴⁾	ASTM D 2240	Shore A	88
Bulk Density	Dexco Method	lb./cu.ft.	26
Specific Gravity	ASTM D 792	g/cc	0.96
<i>Product Form</i>			Porous Pellet

(1) "SBS" denotes linear, styrene-butadiene-styrene triblock copolymer.

(2) Condition (200°C/ 5 kg).

(3) Typical values on compression molded plaques, intended only as guides, and should not be construed as specifications.

(4) 1 sec. dwell.

*K-Resin is a trademark of Chevron Phillips Chemical Co.



PRODUCT STEWARDSHIP:

Dexco Polymers LP has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our Product Stewardship philosophy by which we assess the safety, health and environmental information on our products and then take appropriate steps to protect employee and public health, and our environment. The success of our Product Stewardship program rests with each and every individual involved with Dexco products – from the initial concept and research, to manufacture, use, sale, and disposal of each product.

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