

VECTOR 2518

Styrene-Butadiene-Styrene (SBS) Block Copolymer

- Linear, pure triblock copolymer.
- Contains <1% diblock.
- Medium styrene, high modulus copolymer.
- Outstanding thermal stability.
- 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 2518 styrene-butadiene-styrene block copolymer is produced via anionic polymerization technology from Dexco Polymers LP, a Dow/ ExxonMobil Venture.

VECTOR 2518 is a linear, pure SBS⁽¹⁾ triblock copolymer. It is a medium styrene, high viscosity product. It contains <1% diblock. It is more creep resistant than VECTOR block copolymer 8508. It has excellent thermoplastic elastomer properties and outstanding physical strength. It is a high molecular weight version of VECTOR 8508. It is designed for use as an impact/ toughness modifier in blends with styrenics and in elastomeric compounds. It is also used as an asphalt modifier to lower temperature susceptibility.

Properties	Test Method	Unit	Typical Value
<i>Resin Properties</i>			
Styrene	Dexco Method	Wt. %	31
Diblock Content	Dexco Method	Wt. %	<1.0
MFR ⁽²⁾	ASTM D 1238	g/ 10 min	6
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	550
Elongation ⁽³⁾	ASTM D 412	%	725
Hardness ⁽⁴⁾	ASTM D 2240	Shore A	78
Bulk Density	Dexco Method	lb./cu.ft.	23
Specific Gravity	ASTM D 792	g/cc	0.94
<i>Product Form</i>			Porous Pellet

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

(2) Modified MFR (200°C/ 10 kg, 0.1564" capillary).

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

(4) 1 sec. dwell.



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