

VECTOR 2518P

Styrene-Butadiene-Styrene (SBS) Block Copolymer

- Linear, pure triblock copolymer.
- Contains <1% diblock.
- Medium styrene, high modulus copolymer.
- Outstanding thermal stability.
- Product form is powder.

VECTOR 2518P styrene-butadiene-styrene block copolymer is produced via anionic polymerization technology from Dexco Polymers LP, a Dow/ ExxonMobil Venture.

VECTOR 2518P 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 a impact/ toughness modifier in blends with styrenics and in elastomeric films. The product form is a powder. 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 D1416	Wt. %	5.0
<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.	18
Specific Gravity	ASTM D 792	g/cc	0.94
<i>Product Form</i>			Powder ⁽⁵⁾

- (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.
- (5) Typically < 12 mesh powder



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