

VECTOR 2411

Styrene-Butadiene (SB)n Block Copolymer

- Radial block copolymer.
- Contains ~10% residual diblock.
- Medium styrene, high modulus copolymer.
- 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 2411 styrene-butadiene block copolymer is produced via anionic polymerization technology from Dexco Polymers LP, a Dow/ ExxonMobil Venture.

VECTOR 2411 is a radial (SB)n⁽¹⁾ block copolymer. It is a medium styrene, very high viscosity product. It contains approximately 10% residual diblock. It has outstanding physical strength. It is designed for use in asphalt modification, elastomeric compounds, and adhesive foundations.

PROPERTIES	TEST METHOD	Unit	Typical Value
<i>Resin Properties</i>			
Styrene	Dexco Method	Wt. %	30
Diblock Content	Dexco Method	Wt. %	10 - 12
MFR ⁽¹⁾	ASTM D 1238	200°C/5 kg	<1
Solution Viscosity ⁽²⁾	ASTM D 2196	Cps	21
Ash	ASTM D 1416	Wt. %	0.5
<i>Physical Properties</i>			
Tensile Strength ⁽³⁾	ASTM D 412	PSI	4000
300% Modulus ⁽³⁾	ASTM D 412	PSI	650
Elongation ⁽³⁾	ASTM D 412	%	725
Hardness ⁽⁴⁾	ASTM D 2240	Shore A	71
Bulk Density	Dexco Method	Lb./cu.ft.	23
Specific Gravity	ASTM D 792	g/cc	0.94
<i>Product Form</i>			Porous Pellet

- (1) “(SB)n” denotes radial, styrene-butadiene block copolymer.
 (2) Solution viscosity, 5 Wt.% in toluene.
 (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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