

VECTOR 2411

Styrene-Butadiene (SB)_n Block Copolymer

- Radial (SB)_n⁽¹⁾ block copolymer.
- Contains ~10% SB diblock copolymer.
- Medium styrene, high modulus copolymer.
- Supplied as a porous pellet, dusted with talc.
- VECTOR styrenic block copolymers find use under certain 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.

It is a very high viscosity product. It has outstanding physical strength and is designed for use in asphalt modification, elastomeric compounds, and adhesive formulations.

Properties			
Polymer Properties	TEST METHOD	Unit	Typical Values ⁽²⁾
Styrene	Dexco Method	Wt. %	30
Diblock Content	Dexco Method	Wt. %	12
Melt Flow Rate ⁽³⁾	ASTM D 1238	dg/min	<1
Solution Viscosity ⁽⁴⁾	ASTM D 2196	Cps	21
Volatiles	Dexco Method	Wt. %	0.3
Ash	ASTM D 1416	Wt. %	0.5
Physical Properties			
Tensile Strength ⁽⁵⁾	ASTM D 412	PSI (MPa)	4000 (27.6)
300% Modulus ⁽⁵⁾	ASTM D 412	PSI (MPa)	650 (4.5)
Elongation at Break ⁽⁵⁾	ASTM D 412	%	725
Hardness ⁽⁶⁾	ASTM D 2240	Shore A	71
Specific Gravity	ASTM D 792		0.94

- (1) "(SB)_n" denotes radial styrene-butadiene block copolymer.
- (2) Typical values, intended only as guides, and should not be construed as specifications.
- (3) Condition 200°C/5 kg.
- (4) 5 Wt. % in toluene at 25°C.
- (5) Tested on roll milled/compression molded plaques (0.035" thick). Tested in the machine direction.
- (6) 1 sec. dwell.

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