

VECTOR 2411A Styrene-Butadiene (SB)_n Block Copolymer

- Radial (SB)_n⁽¹⁾ block copolymer.
- Contains ~12% SB⁽¹⁾ diblock copolymer.
- Medium styrene, medium modulus, high viscosity.

VECTOR 2411A styrenic block copolymer is a radial block copolymer with a narrow molecular weight distribution. It is well-suited for use as a modifier in construction applications.

- VECTOR 2411A (SB)_n is offered as a porous pellet supplied from the United States.

Polymer Properties	Test Method	Units	Typical Value ⁽²⁾
Styrene	TSRC / Dexco Method	wt%	30
Diblock Content	TSRC / Dexco Method	wt%	12
Solution Viscosity ⁽³⁾	ASTM D2196	cps	20.4
Ash	ASTM D5630	wt%	0.5
Physical Properties			
Tensile Strength ⁽⁴⁾	TSRC / Dexco Method	MPa	26
300% Modulus ⁽⁴⁾	TSRC / Dexco Method	MPa	4.0
Elongation ⁽⁴⁾	TSRC / Dexco Method	%	725
Hardness ⁽⁵⁾	ASTM D2240	Shore A	82
Bulk Density	ASTM D1895	g/cm ³	0.36
Specific Gravity	ASTM D792		0.94

1) (SB)_n denotes a radial styrene-butadiene block copolymer; SB denotes a styrene-butadiene diblock copolymer.

2) Not to be construed as specifications.

3) 5 wt% in Toluene; 25°C.

4) Roll-milled, compression-molded plaques.

5) Dwell time - 1 second.

VECTOR 2411A styrenic block copolymer is produced via TSRC / Dexco's proprietary anionic polymerization technology.

TSRC

DEXCO