

## VECTOR 8508

### Styrene-Butadiene-Styrene (SBS) Block Copolymer

- Linear, pure triblock copolymer.
- Contains <1% diblock.
- Medium styrene, low modulus copolymer.
- Outstanding thermal stability.
- Excellent melt processability.
- 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 8508 styrene-butadiene-styrene block copolymer is produced via anionic polymerization technology from Dexco Polymers LP, a Dow/ ExxonMobil Venture.

VECTOR 8508 is a linear, pure SBS <sup>(1)</sup> triblock copolymer. It is a medium styrene, medium viscosity product. It contains <1% diblock. It has excellent thermoplastic elastomer properties, melt processability, and physical strength. It has superior melt processability when compared to Vector 2518. It is designed for use as an impact/ toughness modifier in styrenics and in elastomeric films.

Properties	Test Method	Unit	Typical Value
<b><i>Resin Properties</i></b>			
Styrene	Dexco Method	Wt. %	29
Diblock Content	Dexco Method	Wt. %	<1.0
MFR <sup>(2)</sup>	ASTM D 1238	g/ 10 min.	12
Ash	ASTM D 1416	Wt. %	0.8
<b><i>Physical Properties</i></b>			
Tensile Strength <sup>(3)</sup>	ASTM D 412	PSI	4500
300% Modulus <sup>(3)</sup>	ASTM D 412	PSI	700
Elongation <sup>(3)</sup>	ASTM D 412	%	900
Hardness <sup>(4)</sup>	ASTM D 2240	Shore A	65
Bulk Density	Dexco Method	lb./cu.ft.	25
Specific Gravity	ASTM D 792	g/cc	0.94
<b><i>Product Form</i></b>			Porous Pellet

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

(2) Condition (200°C/ 5 kg).

(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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