

VECTOR® 8508

Styrene Butadiene Styrene Block Copolymer

Dexco Polymers LP

Message:

VECTOR 8508
Styrene-Butadiene-Styrene (SBS) Block Copolymer
SBS(1) triblock copolymer.
Contains <1% diblock copolymer.
Medium styrene, low modulus copolymer.
Outstanding thermal stability and excellent melt processability.
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 8508 styrene-butadiene-styrene block copolymer is produced via proprietary sequential anionic polymerization technology from Dexco Polymers LP, a Dow/ExxonMobil Venture. It is formulated with the antioxidant TNPP (tris(nonylphenyl) phosphite).
It has excellent thermoplastic elastomer properties, melt processability, and physical strength. It has superior melt processability when compared to VECTOR 2518 SBS. It is designed for use as an impact/toughness modifier in styrenics and in formulating adhesives.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Copolymer		
	Food Contact Acceptable		
	Good Impact Resistance		
	Good Processability		
	Good Thermal Stability		
	Good Toughness		
	High Strength		
	Porous		
Uses	Compounding		
	Plastics Modification		
Forms	Pellets		
Processing Method	Compounding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.938	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	1.2	g/10 min	ASTM D1238
Solution Viscosity	400	mPa · s	ASTM D2196
Ash Content	0.8	wt%	ASTM D1416
Styrene Content	29.0	wt%	Internal Method
Diblock Content	< 1.0	wt%	Internal Method
Volatiles	0.4	wt%	Internal Method
Hardness	Nominal Value	Unit	Test Method

Durometer Hardness (Shore A, 1 sec)	65		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (300% Strain, 25°C)	3.65	MPa	ASTM D412
Tensile Strength ² (Yield, 25°C)	33.1	MPa	ASTM D412
Tensile Elongation ³ (Break, 25°C)	1100	%	ASTM D412
NOTE			
1.	25 Wt. % in toluene		
2.	25 Wt. % in toluene		
3.	25 Wt. % in toluene		

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