

# VECTOR® 2518P

Styrene Butadiene Styrene Block Copolymer  
Dexco Polymers LP

Message:

VECTOR 2518P  
Styrene-Butadiene-Styrene (SBS) Block Copolymer  
SBS(1) triblock copolymer.  
Contains <1% diblock copolymer.  
Medium styrene, high modulus copolymer.  
Outstanding thermal stability.  
Supplied as a powder, dusted with talc.  
VECTOR 2518P 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 and outstanding physical strength. It is designed for use as an impact/toughness modifier in blends with styrenics, as an asphalt modifier to lower temperature susceptibility and in roofing compounds.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Copolymer		
	Good Impact Resistance		
	Good Thermal Stability		
	Good Toughness		
	High Strength		
Uses	Asphalt Modification		
	Compounding		
	Plastics Modification		
Forms	Powder		
Processing Method	Compounding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.938	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/10.0 kg)	0.60	g/10 min	ASTM D1238
Solution Viscosity	1200	mPa · s	ASTM D2196
Ash Content	5.0	wt%	ASTM D1416
Styrene Content	31.0	wt%	Internal Method
Diblock Content	< 1.0	wt%	Internal Method
Volatiles	0.3	wt%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 1 sec)	78		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress <sup>1</sup> (300% Strain, 25°C)	4.14	MPa	ASTM D412

Tensile Strength <sup>2</sup> (Yield, 25°C)	30.3	MPa	ASTM D412
Tensile Elongation <sup>3</sup> (Break, 25°C)	1000	%	ASTM D412
NOTE			
1.	25 Wt. % in toluene		
2.	25 Wt. % in toluene		
3.	25 Wt. % in toluene		

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#### Recommended distributors for this material

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