

VECTOR® 2518

Styrene Butadiene Styrene Block Copolymer

Dexco Polymers LP

Message:

VECTOR 2518
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 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 2518 styrene-butadiene-styrene block copolymer is produced via proprietary sequential anionic polymerization technology from Dexco Polymers LP, a Dow/ExxonMobil Venture.
It has excellent thermoplastic elastomer properties and outstanding physical strength. It is designed for use as an impact/toughness modifier in blends with styrenics and in elastomeric compounds. It is also used as an asphalt modifier to lower temperature susceptibility and in roofing compounds.

General Information			
Features	Copolymer		
	Food Contact Acceptable		
	Good Impact Resistance		
	Good Thermal Stability		
	Good Toughness		
	High Strength		
	Porous		
Uses	Asphalt Modification		
	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/10.0 kg)	0.60	g/10 min	ASTM D1238
Solution Viscosity	1200	mPa · s	ASTM D2196
Ash Content	0.7	wt%	ASTM D1416
Styrene Content	31.0	wt%	Internal Method
Diblock Content - SB	< 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 ¹ (300% Strain, 25°C)	4.14	MPa	ASTM D412
Tensile Strength ² (Yield, 25°C)	30.3	MPa	ASTM D412
Tensile Elongation ³ (Break, 25°C)	1000	%	ASTM D412

NOTE

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|----|---------------------|
| 1. | 25 Wt. % in toluene |
| 2. | 25 Wt. % in toluene |
| 3. | 25 Wt. % in toluene |

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

