

VECTOR® 2411P

Styrene Butadiene Block Copolymer

Dexco Polymers LP

Message:

VECTOR 2411P
Styrene-Butadiene (SB)n Block Copolymer
Radial (SB)n (1) block copolymer.
Contains ~10% SB diblock copolymer.
Medium styrene, high modulus copolymer.
Product form is powder, dusted with talc.
VECTOR 2411P styrene-butadiene block copolymer is produced via anionic polymerization technology from Dexco Polymers LP, a Dow/ExxonMobil Venture.
It is a very high viscosity, powder product. It has outstanding physical strength and is designed for use in asphalt modification, elastomeric compounds, and adhesive formulations.

General Information			
Features	Copolymer		
	High Strength		
	Ultra High Viscosity		
Uses	Adhesives		
	Asphalt Modification		
	Compounding		
Forms	Powder		
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)	< 1.0	g/10 min	ASTM D1238
Solution Viscosity	21	mPa · s	ASTM D2196
Ash Content	5.0	wt%	ASTM D1416
Styrene Content	30.0	wt%	Internal Method
Diblock Content - SB	12.0	wt%	Internal Method
Volatiles	0.3	wt%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 1 sec)	71		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (300% Strain, 25°C)	4.48	MPa	ASTM D412
Tensile Strength ² (Yield, 25°C)	27.6	MPa	ASTM D412
Tensile Elongation ³ (Break, 25°C)	730	%	ASTM D412
NOTE			
1.	5 Wt. % in toluene		
2.	5 Wt. % in toluene		

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