VECTOR® 4213

Styrene Isoprene Styrene + SI Block Copolymer

Dexco Polymers LP

Message:

Blend of SIS triblock and SI diblock copolymer
Medium styrene copolymer
Outstanding thermal stability
Outstanding melt processability
Complies with U.S. FDA 21 CFR 177.1810; Consult the regulations for complete details
VECTOR 4213 is a blend of SIS triblock and SI diblock copolymer with a medium styrene content targeted at 25%. It provides enhanced cohesive strength and heat resistance. These properties provide a compounder wide formulating options in formulating hot melt adhesive with higher strength and lower viscosity which are very desirable attributes for disposable adhesive applications.

General Information			
Features	Block Copolymer		
	Low viscosity		
	Rigidity, high		
	Workability, good		
	Thermal stability, good		
Uses	Mixing		
	Adhesive		
Agency Ratings	FDA 21 CFR 177.1810		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.940	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	12	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 1 sec)	51		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain)	2.76	MPa	ASTM D412
Tensile Strength (Yield)	13.1	MPa	ASTM D412
Tensile Elongation (Break)	1200	%	ASTM D412
Additional Information			

Styrene, Dexco Test Method: 25% Wt.Diblock Content, Dexco Test Method: 25% Wt.Ash, ASTM D1416: 0.3% Wt.

Recommended distributors for this material

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WECHAT