

VECTOR® 4215

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 4215 is a blend of SIS triblock and SI diblock copolymer with a styrene content of 30%. Its higher styrene content leads to higher modulus, higher temperature end-use, and enhanced creep resistance. It is designed for use in hot melt adhesive applications such as disposable adhesives requiring superior cohesive strength and heat resistance along with low creep compliance.

General Information			
Features	Block Copolymer		
	Workability, good		
	Good creep resistance		
	Heat resistance, high		
	Thermal stability, good		
Uses	Adhesive		
Agency Ratings	FDA 21 CFR 177.1810		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.940	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	9.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 1 sec)	58		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain)	3.45	MPa	ASTM D412
Tensile Strength (Yield)	17.9	MPa	ASTM D412
Tensile Elongation (Break)	1000	%	ASTM D412
Additional Information			

Styrene, Dexco Test Method: 30% Wt.Diblock Content, Dexco Test Method: 18% Wt.Ash, ASTM D1416: 0.3% Wt.

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