

VECTOR® 4411

Styrene Isoprene Styrene Block Copolymer

Dexco Polymers LP

Message:

Linear, pure triblock copolymer
Contains <1% diblock
High styrene, high modulus copolymer
Outstanding thermal stability
Outstanding melt processability
Complies with U.S. FDA 21 CFR 177.1810; Consult the regulations for complete details
VECTOR 4411 is a linear, pure SIS triblock copolymer. It is a high styrene, low viscosity product. It is a high modulus and creep resistant SIS copolymer. It is a high performance, flexible thermoplastic resin that can be blended with medium or low styrene SIS and/or SBS copolymers. It is designed for use as a compatibilizer in styrenic/olefinic blends. It has good physical properties and outstanding melt processability.

General Information			
Features	Block Copolymer		
	Low viscosity		
	Workability, good		
	Good creep resistance		
	Good flexibility		
	Thermal stability, good		
Uses	Mixing		
Agency Ratings	FDA 21 CFR 177.1810		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.960	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	40	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 1 sec)	87		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain)	8.96	MPa	ASTM D412
Tensile Strength (Yield)	20.7	MPa	ASTM D412
Tensile Elongation (Break)	750	%	ASTM D412
Additional Information			

Styrene, Dexco Test Method: 44% Wt.Diblock Content, Dexco Test Method: <1% Wt.Ash, ASTM D1416: 0.2% Wt.

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