VECTOR® 6507

Styrene Butadiene Styrene Block Copolymer

Dexco Polymers LP

Message:

VECTOR 6507 styrene-butadiene-styrene block copolymer is produced via anionic polymerization technology from Dexco Polymers LP, a Dow/ExxonMobil Venture.
VECTOR 6507 is a linear, pure SBS triblock copolymer. It is a high styrene, low viscosity product. It contains <1% diblock. It has high modulus and low creep properties. It is the least elastic of the SBS family of products. A high performance, flexible thermoplastic resin that is designed for use in crystal polystyrene/styrenebutadiene copolymer (PS/K-Resin) blends. It has excellent physical strength and outstanding melt processability.

General Information			
Features	Low viscosity		
	Rigidity, high		
	High strength		
	Workability, good		
	Good flexibility		
	Thermal stability, good		
	Compliance of Food Exposure		
Uses	Mixing		
	Medical/nursing supplies		
Agency Ratings	FDA Food Exposure, Not Rated		
Forms	Particle		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.960	g/cm³	ASTM D792
Apparent Density	0.42	g/cm³	ASTM D1895
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	23	g/10 min	ASTM D1238
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A, 1 sec)	88		ASTM D2240
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (300% Strain)	8.79	MPa	ASTM D412
Tensile Strength (Yield)	31.0	MPa	ASTM D412
Tensile Elongation (Break)	700	%	ASTM D412

Additional Information

The value listed as Apparent Density, ASTM D1895, was tested in accordance with Dexco test methods.Ash, ASTM D1416: 0.7 wt%Styrene: 43 wt%Diblock Content: <1.0 wt%

Recommended distributors for this material

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