

VECTOR 7400

Styrene-Butadiene-Styrene (SBS) Block Copolymer

- Linear, pure triblock copolymer.
- Contains <1% diblock.
- Contains 33% mineral oil.
- Medium styrene, very low modulus copolymer.
- Outstanding thermal stability and melt processability.
- VECTOR styrenic block copolymers find use under certain FDA regulations as articles or as ingredients in articles intended for food contact or medical applications. Please contact your Dexco Polymers agent for a detailed letter of certification or further information.

VECTOR 7400 styrene-butadiene-styrene block copolymer is produced via anionic polymerization technology from Dexco Polymers LP, a Dow/ ExxonMobil Venture.

VECTOR 7400 is a linear, pure SBS⁽¹⁾ triblock copolymer extended with 33% mineral oil. It is a medium styrene, low viscosity product. It contains <1% diblock. It is the softest SBS triblock and is highly elastic. It has moderate physical strength and good melt processability. It is designed for use as an impact modifier in styrenics and in elastomeric compounds.

Properties	Test Method	Unit	Typical Value
<i>Resin Properties</i>			
Styrene ⁽²⁾	Dexco Method	Wt. %	31
Mineral Oil	Dexco Method	Wt. %	33
Diblock Content	Dexco Method	Wt. %	<1.0
MFR ⁽³⁾	ASTM D 1238	g/ 10 min.	18
Ash	ASTM D 1416	Wt. %	0.6
<i>Physical Properties</i>			
Tensile Strength ⁽⁴⁾	ASTM D 412	PSI	2900
300% Modulus ⁽⁴⁾	ASTM D 412	PSI	380
Elongation ⁽⁴⁾	ASTM D 412	%	1220
Hardness ⁽⁵⁾	ASTM D 2240	Shore A	47
Bulk Density	Dexco Method	lb./cu.ft.	25
Specific Gravity	ASTM D 792	g/cc	0.90
<i>Product Form</i>			Porous Pellet

(1) "SBS" denotes linear, styrene-butadiene-styrene triblock copolymer.

(2) Based on styrene: butadiene ratio

(3) Condition (200°C/ 5 kg).

(4) Typical values on compression molded plaques, intended only as guides, and should not be construed as specifications.

(5) 1 sec. dwell.



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