

PolyOne Elastamax™ XL 0117-5 NATURAL Styrene Butadiene Block Copolymer (SBC)

Category : Polymer , Thermoplastic , Styrene-Butadiene , Styrene-Butadiene Copolymer, SBC

Material Notes:

Synprene™ thermoplastic elastomers (TPEs) are compounds based on styrenic block copolymer (SBC) technology, and can be formulated to deliver extremely low hardness values not found in other elastomers. These materials are ideal for applications requiring flexibility over a wide temperature range, excellent colorability, broad processing capability and durability. A thermoplastic elastomer compound formulated for use in food contact applications. The physical properties listed above are typical values obtained on laboratory prepared samples and tested in accordance with accepted test methods. All ingredients used in the formulation of this compound are listed in the United States FDA Code of Federal Regulations, Title 21 for use in the packaging of food. The listings cover many uses and restrictions may apply depending on the application. PLEASE CONTACT US TO REVIEW THE SUITABILITY OF SPECIFIC PRODUCTS IN SPECIFIC APPLICATIONS. This statement is only an overview of the FDA listings for this product. IT IS THE CUSTOMER'S RESPONSIBILITY TO ENSURE THAT THE COMPOUND IS SUITABLE FOR ITS INTENDED APPLICATIONS. Information provided by PolyOne

Order this product through the following link:
http://www.lookpolymers.com/polymer_PolyOne-Elastamax-XL-0117-5-NATURAL-Styrene-Butadiene-Block-Copolymer-SBC.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.898 g/cc	0.898 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60	60	5 sec; ASTM D2240
Tensile Strength at Break	6.41 MPa	930 psi	510 mm/min; ASTM D412A
Tensile Stress	3.52 MPa @Strain 300 %	511 psi @Strain 300 %	510 mm/min; ASTM D412A
Elongation at Break	550 %	550 %	510 mm/min; ASTM D412A
Tear Strength	21.0 kN/m	120 pli	Die C, 510 mm/min; ASTM D624
Compression Set	40 % @Temperature 70.0 °C, Time 79200 sec	40 % @Temperature 158 °F, Time 22.0 hour	ASTM D395B

Descriptive Properties	Value	Comments
Agency Ratings	FDA Food Contact, Unspecified Rating	
Appearance	Natural Color	
Features	Food Contact Acceptable	

General Purpose

Descriptive Properties Forme	Value Pellets	Comments
Generic Material	SBC	
Generic Name	Styrene Butadiene Block Copolymer (SBC)	
Processing Method	Injection Molding	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Consumer Applications	
	General Purpose	

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