

**PolyOne Elastamax™ XL 0131-59 Styrene Butadiene Block Copolymer (SBC)**

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

**Material Notes:**

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-0131-59-Styrene-Butadiene-Block-Copolymer-SBC.php](http://www.lookpolymers.com/polymer_PolyOne-Elastamax-XL-0131-59-Styrene-Butadiene-Block-Copolymer-SBC.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.968 g/cc	0.968 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.015 cm/cm	0.015 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	50	50	10 sec; ASTM D2240
Tensile Strength at Break	23.2 MPa	3360 psi	510 mm/min; ASTM D412A
Tensile Stress	13.6 MPa	1970 psi	510 mm/min; ASTM D412A
	@Strain 100 %	@Strain 100 %	
	13.9 MPa	2020 psi	510 mm/min; ASTM D412A
	@Strain 300 %	@Strain 300 %	
Elongation at Break	610 %	610 %	510 mm/min; ASTM D412A
Tear Strength	104 kN/m	593 pli	Die C, 510 mm/min; ASTM D624

Descriptive Properties	Value	Comments
Agency Ratings	FDA Food Contact, Unspecified Rating	
Appearance	Opaque	
Features	Food Contact Acceptable	
	General Purpose	
Forms	Pellets	

Generic Material Descriptive Properties	SBC Value	Comments
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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