



Elastamax™ XL 0117-5 NATURAL

Styrene Butadiene Block Copolymer

Key Characteristics

Product Description

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.

General

Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Food Contact Acceptable	• General Purpose	
Uses	• Consumer Applications	• General Purpose	
Agency Ratings	• FDA Food Contact, Unspecified Rating		
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Injection Molding		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	0.900	0.900	ASTM D792
Elastomers	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Stress ² (300% Strain)	510 psi	3.52 MPa	ASTM D412A
Tensile Strength ² (Break)	930 psi	6.41 MPa	ASTM D412A
Tensile Elongation ² (Break)	550 %	550 %	ASTM D412A
Tear Strength ³	120 lbf/in	21.0 kN/m	ASTM D624
Compression Set (158°F (70°C), 22 hr)	40 %	40 %	ASTM D395B
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore A, 5 sec)	60	60	ASTM D2240

Additional Information

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.

Notes

¹ Typical values are not to be construed as specifications.

² 20 in/min (510 mm/min)

³ Die C, 20 in/min (510 mm/min)

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