Elastamax™ XL 0131-59(50/50)

Styrene Butadiene Block Copolymer

Key Characteristics

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	• Opaque		
Forms	• Pellets		
Processing Method	• Injection Molding		

Technical Properties [1]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	0.960	0.960	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	27 g/10 min	27 g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.015 in/in	1.5 %	ASTM D955
Elastomers	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Strength (Yield)	2440 psi	16.8 MPa	ASTM D412A
Tensile Elongation (Yield)	400 to 800 %	400 to 800 %	ASTM D412A
Hardness	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Durometer Hardness (Shore D, 10 sec)	48	48	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.

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	175 °F	79 °C
Drying Time	2.0 to 4.0 hr	2.0 to 4.0 hr
Rear Temperature	370 to 450 °F	188 to 232 °C
Middle Temperature	380 to 460 °F	193 to 238 °C
Front Temperature	390 to 470 °F	199 to 243 °C
Nozzle Temperature	365 to 475 °F	185 to 246 °C
Mold Temperature	70 to 140 °F	21 to 60 °C

Notes

[1] Typical values are not to be construed as specifications.