

PolyOne Elastamax™ HTE 1104 Styrene Butadiene Block Copolymer (SBC)
(discontinued **)

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. For More Information contact PolyOne.

Order this product through the following link:
http://www.lookpolymers.com/polymer_PolyOne-Elastamax-HTE-1104-Styrene-Butadiene-Block-Copolymer-SBC-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.928 g/cc	0.928 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	45	45	ASTM D2240
Tensile Strength at Break	9.10 MPa	1320 psi	510 mm/min; ASTM D412A
Tensile Strength, Yield	1.72 MPa	249 psi	510 mm/min; ASTM D412A
	@Strain 100 %	@Strain 100 %	
	3.14 MPa	455 psi	510 mm/min; ASTM D412A
	@Strain 300 %	@Strain 300 %	
Elongation at Break	1000 %	1000 %	510 mm/min; ASTM D412A
Tear Strength	29.8 kN/m	170 pli	Die C, 510 mm/min; ASTM D624
Compression Set	16 %	16 %	ASTM D395B
	@Temperature 23.0 °C, Time 79200 sec	@Temperature 73.4 °F, Time 22.0 hour	

Descriptive Properties	Value	Comments
Agency Ratings	FDA Food Contact, Unspecified Rating	
Features	Food Contact Acceptable	
	General Purpose	
Forms	Pellets	
Generic Name	Styrene Butadiene Block Copolymer (SBC)	

Processing Method Descriptive Properties	Injection Molding Value	Comments
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Automotive Interior Parts	
	Consumer Applications	
	General Purpose	
	Industrial Applications	

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