

AlphaGary Evoprene™ Super G 947 SEBS Thermoplastic Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE , Styrenic TPE

Material Notes:

Evoprene™ Super G compounds are high performance styrene ethylene- butylene styrene based thermoplastic elastomers. Evoprene™ Super G has improved heat resistance and improved recovery properties over regular SEBS-based grades. Can be used in food contact applications with the appropriate stabilizer package

Order this product through the following link:

http://www.lookpolymers.com/polymer_AlphaGary-Evoprene-Super-G-947-SEBS-Thermoplastic-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.08 g/cc	1.08 g/cc	ISO 2781
Viscosity Measurement	19 @Temperature 180 °C	19 @Temperature 356 °F	Kg/cm ² ; Macklow-Smith extrusion rheometer

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	36	36	ISO 868
Tensile Strength	5.50 MPa	798 psi	ISO 37
Elongation at Break	390 %	390 %	ISO 37
100% Modulus	0.00110 GPa	0.160 ksi	ISO 37
Tear Strength	18.0 kN/m	103 pli	ISO 34-B
Compression Set	12 % @Temperature 22.0 °C, Time 259000 sec	12 % @Temperature 71.6 °F, Time 72.0 hour	ISO 815
	23 % @Temperature 70.0 °C, Time 79200 sec	23 % @Temperature 158 °F, Time 22.0 hour	ISO 815
	34 % @Temperature 100 °C, Time 79200 sec	34 % @Temperature 212 °F, Time 22.0 hour	ISO 815

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	140 °C	284 °F	
Minimum Service Temperature, Air	-60.0 °C	-76.0 °F	

Descriptive Properties	Value	Comments
Bonds with	Polypropylene	
	Polypropylene	
	Polypropylene	
Chemical Resistance	Acetone	Good
	Acids up to 80%	Excellent
	Alcohol	Excellent
	Alkalis	Excellent
	Brake fluid	Good
	Chlorinate solvents	Poor
	Diesel	Poor
	Ethylene glycol	Excellent
	Gasoline	Poor
	Salt solution	Excellent
	Soda lye	Excellent
	Water, 23°C	Excellent
Water, 95°C	Excellent	
Transparency	Opaque	

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