

## AlphaGary Evoprene™ G 967 SEBS Thermoplastic Elastomer

**Categories:** [Polymer](#); [Thermoplastic](#); [Elastomer, TPE](#); [Styrenic TPE](#)

**Material** Evoprene™ G compounds are styrene – ethylene butylene –styrene base thermoplastic elastomer with related hydrogenated block copolymers.

**Notes:** These polymers are fully saturated so the resistance to oxidation, ozone and general outdoor weathering is excellent.


Processing: compatible with polypropylene for co-molding or co-extrusion

Can be used in food contact applications with the appropriate stabilizer package

Alphagary is part of Orbia.

**Vendors:** No vendors are listed for this material. Please [click here](#) if you are a supplier and would like information on how to add your listing to this material.

Physical Properties	Metric	English	Comments
Specific Gravity	<a href="#">0.900</a> g/cc	<a href="#">0.900</a> g/cc	ISO 2782
Viscosity Measurement	15 @Temperature 180 °C	15 @Temperature 356 °F	Kg/cm <sup>2</sup> ; Macklow-Smith extrusion rheometer

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	39	39	ISO 868
Tensile Strength	<a href="#">4.20</a> MPa	<a href="#">609</a> psi	ISO 37
Elongation at Break	440 %	440 %	ISO 37
100% Modulus	<a href="#">1.50</a> MPa @Strain 100 %	<a href="#">218</a> psi @Strain 100 %	ISO 37
Tear Strength	<a href="#">21.0</a> kN/m	<a href="#">120</a> pli	ISO 34-B
Compression Set 	21 % @Temperature 22.0 °C, Time 259000 sec	21 % @Temperature 71.6 °F, Time 72.0 hour	ISO 815
	34 % @Temperature 70.0 °C, Time 79200 sec	34 % @Temperature 158 °F, Time 22.0 hour	ISO 815
	51 % @Temperature 100 °C, Time 79200 sec	51 % @Temperature 212 °F, Time 22.0 hour	ISO 815

Electrical Properties	Metric	English	Comments
Electrical Resistivity	<a href="#">1.00e+15</a> ohm-cm	<a href="#">1.00e+15</a> ohm-cm	
Dielectric Strength	<a href="#">24.0</a> - <a href="#">28.0</a> kV/mm	<a href="#">610</a> - <a href="#">711</a> kV/in	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	<a href="#">110</a> - <a href="#">120</a> °C	<a href="#">230</a> - <a href="#">248</a> °F	
Minimum Service Temperature, Air	<a href="#">-60.0</a> - <a href="#">-40.0</a> °C	<a href="#">-76.0</a> - <a href="#">-40.0</a> °F	

### Descriptive Properties

Bonds with	Polypropylene	
Chemical Resistance	Acetone	Moderate/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	Good	
Transparency	Translucent	

Some of the values displayed above may have been converted from their original units and/or rounded in order to display the information in a consistent format. Users requiring more precise data for scientific or engineering calculations can click on the property value to see the original value as well as raw conversions to equivalent units. We advise that you only use the original value or one of its raw conversions in your calculations to minimize rounding error. We also ask that you refer to MatWeb's [terms of use](#) regarding this information. [Click here](#) to view all the property values for this datasheet as they were originally entered into MatWeb.

