

## AlphaGary Evoprene™ GC 640 SEBS Thermoplastic Elastomer

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

### Material Notes:

Evoprene™ GC compounds are based on styrene ethylene- butylene styrene block copolymers. Evoprene™ GC series was created to provide cost effective solutions for processors and end users alike. 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-GC-640-SEBS-Thermoplastic-Elastomer.php](http://www.lookpolymers.com/polymer_AlphaGary-Evoprene-GC-640-SEBS-Thermoplastic-Elastomer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.10 g/cc	1.10 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	80	80	ISO 868
Tensile Strength	7.20 MPa	1040 psi	ISO 37
Elongation at Break	455 %	455 %	ISO 37
100% Modulus	0.00560 GPa	0.812 ksi	ISO 37
Tear Strength	46.0 kN/m	262 pli	ISO 34-B
Compression Set	54 % @Temperature 70.0 °C, Time 79200 sec	54 % @Temperature 158 °F, Time 22.0 hour	ISO 815

Thermal Properties	Metric	English	Comments
Minimum Service Temperature, Air	-60.0 - -50.0 °C	-76.0 - -58.0 °F	

Descriptive Properties	Value	Comments
Bonds with	Polypropylene	
Chemical Resistance	Acetone	Moderate
	Acids up to 80%	Good
	Alcohol	Good
	Alkalis	Good
	Brake fluid	Moderate

Descriptive Properties	Value	Comments
	Diesel	Poor
	Ethylene glycol	Excellent
	Gasoline	Poor
	Salt solution	Good
	Soda lye	Good
	Water, 23°C	Excellent
	Water, 95°C	Moderate
Transparency	Opaque	

## Contact Songhan Plastic Technology Co.,Ltd.

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