

AlphaGary Evoprene™ GC 5616 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-5616-SEBS-Thermoplastic-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.890 g/cc	0.890 g/cc	ISO 2782
Viscosity Measurement	4.0 @Temperature 180 °C	4.0 @Temperature 356 °F	Kg/cm ² ; Macklow-Smith extrusion rheometer

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	47	47	ISO 868
Tensile Strength	4.40 MPa	638 psi	ISO 37
Elongation at Break	765 %	765 %	ISO 37
100% Modulus	0.00140 GPa	0.203 ksi	ISO 37
Tear Strength	21.0 kN/m	120 pli	ISO 34-B
Compression Set	39 % @Temperature 70.0 °C, Time 79200 sec	39 % @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	Translucent	

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