

## AlphaGary Evoprene™ COGEE 683 SEBS Thermoplastic Elastomer

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

### Material Notes:

Evoprene™ COGEE was developed to comold or coextrude with engineered thermoplastics and designed for soft touch applications. Processing: compatible with polypropylene and polystyrene for co-molding or co-extrusion 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-COGEE-683-SEBS-Thermoplastic-Elastomer.php](http://www.lookpolymers.com/polymer_AlphaGary-Evoprene-COGEE-683-SEBS-Thermoplastic-Elastomer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.950 g/cc	0.950 g/cc	ISO 2781
Viscosity Measurement	26 @Temperature 150 °C	26 @Temperature 302 °F	Kg/cm <sup>2</sup> ; Macklow-Smith extrusion rheometer

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60	60	ISO 868
Tensile Strength	11.5 MPa	1670 psi	ISO 37
Elongation at Break	520 %	520 %	ISO 37
100% Modulus	0.00270 GPa	0.392 ksi	ISO 37
300% Modulus	0.00540 GPa	0.783 ksi	ISO 37
Adhesive Bond Strength	1.24 MPa	180 psi	abs
Tear Strength	38.0 kN/m	217 pli	ISO 34-B
Compression Set	27 % @Temperature 23.0 °C, Time 259000 sec	27 % @Temperature 73.4 °F, Time 72.0 hour	ISO 815
	75 % @Temperature 70.0 °C, Time 79200 sec	75 % @Temperature 158 °F, Time 22.0 hour	ISO 815
	90 % @Temperature 100 °C, Time 79200 sec	90 % @Temperature 212 °F, Time 22.0 hour	ISO 815

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	100 °C	212 °F	

Minimum Service Temperature, Air Thermal Properties	-30.0 °C Metric	-22.0 °F English	Comments
Descriptive Properties	Value	Comments	
Ozone Resistance	No Cracks	100 pphm / 200 hrs / 20% strain, ISO1431	

## Contact Songhan Plastic Technology Co.,Ltd.

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