

## AlphaGary Evoprene™ CE 6186 Thermoplastic Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE

### Material Notes:

The Evoprene™ CE range has been specially created to offer processors a cost engineered range of easy processing, fast cycling thermoplastic elastomer compounds for general purpose applications. Evoprene™ CE have high friction characteristics, good electrical resistance, and good ozone resistance. Processing: injection molding, compatible for coinjection with polypropylene.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_AlphaGary-Evoprene-CE-6186-Thermoplastic-Elastomer.php](http://www.lookpolymers.com/polymer_AlphaGary-Evoprene-CE-6186-Thermoplastic-Elastomer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.10 g/cc	1.10 g/cc	ISO 2781
Viscosity Measurement	17 @Temperature 150 °C	17 @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	4.80 MPa	696 psi	ISO 37
Elongation at Break	550 %	550 %	ISO 37
100% Modulus	0.00220 GPa	0.319 ksi	ISO 37
Tear Strength	27.0 kN/m	154 pli	ISO 34-B
Compression Set	28 % @Temperature 23.0 °C, Time 259000 sec	28 % @Temperature 73.4 °F, Time 72.0 hour	ISO 815

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

Descriptive Properties	Value	Comments
Bonds with	Polypropylene	
Transparency	Opaque	

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