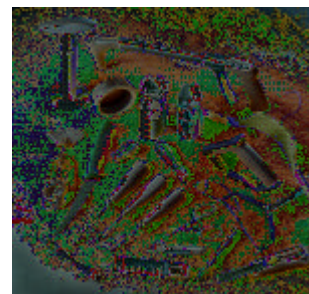


EVOPRENE™ CE Thermoplastic Elastomer (TPE) Compounds

The Evoprene™ CE range has been specially created to offer processors a cost engineered range of easy processing, fast cycling TPE compounds for general purpose applications. Formulated primarily for injection moulding this range is compatible for coinjection with polypropylene. The soft to mid hardness range compounds offer high levels of flexibility with good recovery properties at room temperature and excellent low temperature flexibility to -60°C. The compounds are normally supplied as natural or black. Natural compound can be readily coloured with a universal masterbatch. As with all Evoprene™ TPE compounds the Evoprene™ CE range is fully recyclable at all stages through the processing chain.



EVOPRENE™ CE

Units		Hardness Shore A	Specific Gravity	M-S Flow	Tensile Strength	Elongation @ Break	Modulus 100%	Tear Strength	Compression Set 72h 23C
Test Method		Degrees ISO 868	g/cm ² ISO 2781	Kg/cm ² AG	MPa ISO 37	% ISO 37	MPa ISO 37	KN/m ISO 34-B	% ISO 815
Opaque	Evoprene CE 6185	50	1.10	11	5.0	630	1.6	26	26
Opaque	Evoprene CE 6186	60	1.10	17	4.8	550	2.2	27	28
Opaque	Evoprene CE 6187	70	1.10	17	5.5	510	2.8	33	31

Comoulding with PP

Evoprene™ CE compounds are formulated to comould well with pp. Adhesion to both homo and copolymer pp is good with insert moulding provided the surfaces are kept very clean. Much better adhesion can be obtained with twin shot moulding techniques. For further details please see the notes below or refer to our General Processing Guide

Processing

As with almost all Evoprene™ TPE compounds, processing is easy with the Evoprene™ CE range. The compounds are designed for short injection moulding cycles, even with quite complicated parts. The resultant parts are soft, flexible and rubbery and shrinkage can be adjusted over quite a wide range by varying the injection speed, the second stage pressure and the cooling time and temperature.

For more information, please see the "Evoprene™ General Information" sheet.

Evoprene™ CE compounds for general purpose applications

- ✚ Easy to process by injection moulding
- ✚ Fast set up for short cycle times
- ✚ Service temperature -60 to +60°C
- ✚ High friction characteristics
- ✚ Good electrical resistance
- ✚ Ozone resistant
- ✚ Compatible for moulding with pp
- ✚ Readily coloured with universal m/b
- ✚ Fully recyclable

Need more information? Visit www.alphagary.com or send us an email at enquiries@alphagary.com or call:

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Additional Information about:

- Material Selection
- Processing
- Mould Shrinkage
- Chemical Resistance
- Packaging & Labeling

AlphaGary
Evoprene™
25 Years of
Know-How!

can be obtained by visiting www.alphagary.com, emailing us at enquiries@alphagary.com, or contacting one of our offices