Evoprene™ GC 645

Styrene Ethylene Butylene Styrene Block Copolymer

AlphaGary

Message:

The Evoprene™ GC series was created to provide cost effective solutions for processors and end users alike. If temperature resistance, weatherability and processing performance are paramount then it is best to choose an Evoprene™ Super G, HP or Evoprene™ G grade. But if a reduction in temperature resistance can be tolerated and cost is important, the Evoprene™ GC range provides an excellent choice. Low Temperature performance is maintained at a high level with flexibility retained to -50 to -60° C depending on grade. In addition, all grades have excellent ozone resistance, and electrical resistance is in line with other Evoprene™ G compounds. Weatherability can be improved by the selection of appropriate stabiliser systems and special grades can be formulated to give superior UV resistance.

General Information	
Features	Block Copolymer
	Bondability
	Food Contact Acceptable
	Good Colorability
	Good Flexibility
	Good Processability
	Ozone Resistant
Agency Ratings	EU Food Contact, Unspecified Rating
	FDA Food Contact, Unspecified Rating
RoHS Compliance	Contact Manufacturer
Appearance	Opaque
Forms	Pellets
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	1.03	g/cm³	ISO 2782
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore A)	86		ISO 868
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (100% Strain)	5.50	MPa	ISO 37
Tensile Stress (Yield)	8.50	MPa	ISO 37
Tensile Elongation (Break)	540	%	ISO 37
Tear Strength [1]	46	kN/m	ISO 34-1
Compression Set (70°C, 22 hr)	62	%	ISO 815
Additional Information	**Nominal Value**	**Unit**	**Test Method**
M-S Flow	0.785	MPa	Internal Method
Injection	**Nominal Value**	**Unit**	

Suggested Max Regrind	20	%
Rear Temperature	170 to 190	°C
Middle Temperature	170 to 190	°C
Front Temperature	170 to 190	°C
Nozzle Temperature	170 to 190	°C
Processing (Melt) Temp	240	°C
Mold Temperature	20.0 to 40.0	°C
Injection Rate	Moderate-Fast	
Vent Depth	0.020 to 0.050	mm

NOTE	
1.	Method Ba, Angle (Unnicked)

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China