Evoprene™ GC 5678

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.

ROHS Compliance Contact Manufacturer Appearance Opaque Forms Pellets Processing Method Extrusion Injection Molding Physical Nominal Value Unit Test Method Density 1.18 g/cm³ ISO 2782 Hardness Nominal Value Unit Test Method Shore Hardness (Shore A) 31 ISO 468 Elastomers Nominal Value Unit Test Method Tensile Stress (100% Strain) 0.800 MPa ISO 37 Tensile Stress (Yield) 2.20 MPa ISO 37 Tensile Stress (Yield) 16 kN/m ISO 37 Tensile Stress (Yield) 16 kN/m ISO 37 Tensile Stress (Yield) 34 KN/m ISO 34-1 Compression Set (70°C, 22 hr) 34 Mominal Value Unit Test Method M-S Flow Unit Test Method M-S Flow Unit Test Method ISO 37 Tensile Stress (Yield) 16 kN/m ISO 37 Tensile Stress (Yield) 16 kN/m ISO 34-1 Compression Set (70°C, 22 hr) 34 Mominal Value Unit Test Method M-S Flow Unit Test Method M-S Flow Unit Test Method M-S Hotel Unit Test Method M-S Flow Unit Test Method M-S Hotel Unit Test Method M-S Flow Unit Test Method M-S Hotel Unit Test Method	General Information					
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M-S Flow 0.588 MPa Internal Method	Compression Set (70°C, 22 hr)	34	%	ISO 815		
	Additional Information	Nominal Value	Unit	Test Method		
Injection Nominal Value Unit	M-S Flow	0.588	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			

Method Ba, Angle (Unnicked)

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