## Evoprene™ GC 5659

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 1.03 g/cm³ ISO 2782  Hardness Nominal Value Unit Test Method Shore Hardness (Shore A) 76 Unit Test Method Elastomers Nominal Value Unit Test Method Tensile Stress (100% Strain) 3.10 MPa ISO 37  Tensile Stress (Yield) 7.30 MPa ISO 37  Tensile	General Information					
Food Contact Acceptable Good Colorability Good Processability Ozone Resistant  Agency Ratings  EU Food Contact, Unspecified Rating FDA Food Contact, Unspecifie	Features	Block Copolymer				
Good Colorability Good Flexibility Good Processability Ozone Resistant  EU Food Contact, Unspecified Rating FDA Food FDA Food Contact, Unspecified Rating FDA Food		Bondability				
Good Flexibility Good Processability Ozone Resistant  EU Food Contact, Unspecified Rating FDA Food Contact, Unspecified Ra		Food Contact Acceptable				
Agency Ratings  EU Food Contact, Unspecified Rating FDA Food Contact, Unspecified Rat		Good Colorability				
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) 76 Unit Test Method  Shore Hardness (Shore A) 76 What IsO 37 Tensile Stress (100% Strain) 3.10 MPa 1SO 37 Tensile Stress (Yield) 7.30 MPa 1SO 37 Tensile Elongation (Break) 610 % 1SO 37 Ters Strength 1 33 KN/m 1SO 34-1 Compression Set (70°C, 22 br) 49 % 1SO 815 Additional Information Nominal Value Unit Test Method Internal Method		Good Flexibility				
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  1SO 2782  Hardness  Nominal Value  Unit  Test Method  Shore Hardness (Shore A)  76  Elastomers  Nominal Value  Unit  Test Method  Densite Stress (100% Strain)  3.10  MPa  1SO 37  Tensile Stress (100% Strain)  3.10  MPa  1SO 37  Tensile Elongation (Break)  610  %  MPa  1SO 37  Tensile Elongation (Break)  610  %  1SO 37  Tensile Elongation (Break)  610  %  MPa  1SO 34-1  Compression Set (70°C, 22 hr)  49  %  MOHIAND MPA  ISO 3815  Additional Information  Nominal Value  Unit  Test Method  Horian Information  Nominal Value  Unit  Test Method		Good Processability				
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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) 76 ISO 868  Elastomers Nominal Value Unit Test Method  Tensile Stress (100% Strain) 3.10 MPa ISO 37  Tensile Stress (Yield) 7.30 MPa ISO 37  Tensile Elongation (Break) 610 % ISO 37  Tear Strength 1 33 KN/m ISO 34-1  Compression Set (70°C, 22 hr) 49 % ISO 815  Additional Information Nominal Value Unit Test Method	RoHS Compliance	Contact Manufacturer				
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)  76  ISO 868  Elastomers  Nominal Value  Unit  Test Method  Tensile Stress (100% Strain)  3.10  MPa  ISO 37  Tensile Stress (Yield)  7.30  MPa  ISO 37  Tensile Elongation (Break)  610  %  MPa  ISO 37  Tear Strength 1  33  kN/m  ISO 34-1  Compression Set (70°C, 22 hr)  49  %  MPa  Internal Method  M-S Flow  MPa  Internal Method	Appearance	Opaque	Opaque			
Physical Nominal Value Unit Test Method  Density 1.03 g/cm³ ISO 2782  Hardness Nominal Value Unit Test Method  Shore Hardness (Shore A) 76 ISO 868  Elastomers Nominal Value Unit Test Method  Tensile Stress (100% Strain) 3.10 MPa ISO 37  Tensile Stress (Yield) 7.30 MPa ISO 37  Tensile Elongation (Break) 610 % ISO 37  Tensile Elongation (Break) 49 % ISO 34-1  Compression Set (70°C, 22 hr) 49 % ISO 815  Additional Information Nominal Value Unit Test Method  M-S Flow Internal Method	Forms	Pellets				
Physical         Nominal Value         Unit         Test Method           Density         1.03         g/cm³         ISO 2782           Hardness         Nominal Value         Unit         Test Method           Shore Hardness (Shore A)         76         ISO 868           Elastomers         Nominal Value         Unit         Test Method           Tensile Stress (100% Strain)         3.10         MPa         ISO 37           Tensile Elongation (Break)         7.30         MPa         ISO 37           Tear Strength 1         33         kN/m         ISO 34-1           Compression Set (70°C, 22 hr)         49         %         ISO 815           Additional Information         Nominal Value         Unit         Test Method           M-S Flow         0.588         MPa         Internal Method	Processing Method	Extrusion				
Density         1.03         g/cm³         ISO 2782           Hardness         Nominal Value         Unit         Test Method           Shore Hardness (Shore A)         76         ISO 868           Elastomers         Nominal Value         Unit         Test Method           Tensile Stress (100% Strain)         3.10         MPa         ISO 37           Tensile Stress (Yield)         7.30         MPa         ISO 37           Tensile Elongation (Break)         610         %         ISO 37           Tear Strength <sup>1</sup> 33         kN/m         ISO 34-1           Compression Set (70°C, 22 hr)         49         %         ISO 815           Additional Information         Nominal Value         Unit         Test Method           M-S Flow         0.588         MPa         Internal Method		Injection Molding				
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ElastomersNominal ValueUnitTest MethodTensile Stress (100% Strain)3.10MPaISO 37Tensile Stress (Yield)7.30MPaISO 37Tensile Elongation (Break)610%ISO 37Tear Strength 133kN/mISO 34-1Compression Set (70°C, 22 hr)49%ISO 815Additional InformationNominal ValueUnitTest MethodM-S Flow0.588MPaInternal Method	Hardness	Nominal Value	Unit	Test Method		
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Additional Information Nominal Value Unit Test Method  M-S Flow 0.588 MPa Internal Method	Tear Strength <sup>1</sup>	33	kN/m	ISO 34-1		
M-S Flow 0.588 MPa Internal Method	Compression Set (70°C, 22 hr)	49	%	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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