Evoprene™ G 3295

Styrene Ethylene Butylene Styrene Block Copolymer AlphaGary

Message:

A very wide range of Evoprene™ G compounds is available for applications in all sectors of industry. The range is based on the widely specified SEBS (styrene - ethylene butylene - styrene) and related hydrogenated block copolymers. These polymers are fully saturated, i.e. there are no double bonds present so the resistance to oxidation, ozone and general outdoor weathering is excellent. For extended outdoor use, however, it is important to ensure additional UV stabilization is specified, especially in light colours. Evoprene™ G grades are used in service over a wide temperature range (see notes below) but each component should be fully assessed for temperature resistance before being put into service.

Features Food Contact Acceptable	General Information					
Good Colorability Good Electrical Properties Good Processability Good Weather Resistance Oxidation Resistant Ozone Resistant Recyclable Material Uses Outdoor Applications EU Food Contact, Unspecified Rating FDA Food Contact, Unspecified Rating FDA Food Contact, Unspecified Rating FOAT FOOR Contact, Unspecified Rating RoHS Compliance Contact Manufacturer Appearance Porms Pellets Processing Method Coextrusion Injection Molding Physical Nominal Value Unit Test Method Shore Hardness Nominal Value Unit Test Method Shore Hardness (Shore A) Test Method	Features	Block Copolymer	Block Copolymer			
Good Processability Good Weather Resistance Oxidation Resistant Ozone Resistant Recyclable Material Uses Outdoor Applications Agency Ratings EU Food Contact, Unspecified Rating FDA Food Contact, Unspecified Rating FDA Food Contact, Unspecified Rating FDA Food Contact, Unspecified Rating FOOM ROWN ROWN ROWN ROWN ROWN ROWN ROWN ROWN		Food Contact Acceptable				
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Good Weather Resistance Oxidation Resistant Ozone Resistant Recyclable Material Uses Outdoor Applications Agency Ratings EU Food Contact, Unspecified Rating FDA Food Contact, Unspecified Rating F		Good Electrical Properties	Good Electrical Properties			
Oxidation Resistant Ozone Resistant Ozone Resistant Recyclable Material		Good Processability	Good Processability			
Uses Outdoor Applications Agency Ratings EU Food Contact, Unspecified Rating FDA Food Contact, Unspecified Rating FDA Food Contact, Unspecified Rating FOAF FOOD FOOD FOOD FOOD FOOD FOOD FOOD		Good Weather Resistance				
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Tensile Stress (100% Strain) 2.50 MPa ISO 37	Shore Hardness (Shore A)	57		ISO 868		
	Elastomers	Nominal Value	Unit	Test Method		
Tensile Stress (Yield) 8.10 MPa ISO 37	Tensile Stress (100% Strain)	2.50	МРа	ISO 37		
	Tensile Stress (Yield)	8.10	МРа	ISO 37		
Tensile Elongation (Break) 570 % ISO 37	Tensile Elongation (Break)	570	%	ISO 37		
Tear Strength ¹ 35 kN/m ISO 34-1	Tear Strength ¹	35	kN/m	ISO 34-1		
Compression Set (22°C, 72 hr) 42 % ISO 815	Compression Set (22°C, 72 hr)	42	%	ISO 815		

Electrical	Nominal Value	Unit	
Volume Resistivity	1.0E+15	ohms·cm	
Electric Strength	24 to 28	kV/mm	
Additional Information	Nominal Value	Unit	Test Method
M-S Flow	1.47	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	250	°C	
Mold Temperature	30.0 to 60.0	°C	
Injection Rate	Fast		
Vent Depth	0.020 to 0.050	mm	
NOTE			

Method Ba, Angle (Unnicked)

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