Evoprene™ G 3315

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 Block Copolymer Food Contact Acceptable Good Colorability Good Electrical Properties Good Veather Resistance Oxidation Resistant Ozone Resistant Recyclable Material Uses Outdoor Applications Agency Ratings EU Food Contact, Unspecified Rating FDA Food Contact, Unspecified Rating FOOS Rohis Compliance Clear/Transparent Forms Pellets Processing Method Coextrusion Injection Molding Physical Nominal Value Unit Test Method Density 0.890 9/cm³ 150 2782 Hardness Nominal Value Unit Test Method Density 0.890 9/cm³ 150 2782 Hardness Shore A) 13 150 37 Tensile Stores (Yield) 1.10 MPa 150 37 Tensile Stores (Yield) 150 37 Tensile Stores (Y	General Information					
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	Tensile Elongation (Break)	800	%	ISO 37		
Compression Set ISO 815	Tear Strength ¹	24	kN/m	ISO 34-1		
	Compression Set			ISO 815		

22°C, 72 hr	10	%	
70°C, 22 hr	31	%	
100°C, 22 hr	60	%	
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	0.981	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			
1.	Method Ba, Angle (Unnicked)		

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