

SCG Chemicals EL-Leneâ„¢ S10 Butene (C4) Rotational Molding Resin

Category : Polymer , Thermoplastic

Material Notes:

Color compound resin available in pellet / powder form

Key Characteristics:Excellent stiffnessFair impact resistanceFair processingTypical

Applications: High-load/High performance products, such as kayaks, industrial applications, and underground tanks

Information provided by SCG Chemicals

Order this product through the following link:
http://www.lookpolymers.com/polymer_SCG-Chemicals-EL-Lene-S10-Butene-C4-Rotational-Molding-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.945 g/cc	0.945 g/cc	ASTM D1505
Melt Flow	3.2 g/10 min	3.2 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 190 Â°C	@Load 4.76 lb, Temperature 374 Â°F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	22.0 MPa	3190 psi	ASTM D638
Elongation at Break	1200 %	1200 %	ASTM D368
Flexural Modulus	0.900 GPa	131 ksi	ASTM D790
Dart Drop Total Energy	2.50 J/cm	0.00468 ft-lb/mil	ARM Method
	@Thickness 5.00 mm, Temperature -40.0 Â°C	@Thickness 0.197 in, Temperature -40.0 Â°F	

Thermal Properties	Metric	English	Comments
Melting Point	129 Â°C	264 Â°F	ASTM D2117
Crystallization Temperature	117 Â°C	243 Â°F	ASTM D2117

Descriptive Properties	Value	Comments
Food Contact Approved	FDA	
Heavy Metal Free (Base Resin)	Yes	
Peak Internal Air Temperature	210Â°C	TPE Method
Shrinkage Level	medium	TPE Method
UV Stabilizer	UV-8	ASTM G155

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