

SCG Chemicals EL-Lene™ M50 Octene (C8) Rotational Molding Resin

Category : Polymer , Thermoplastic

Material Notes:

Color compound resin available in pellet / powder form
Key Characteristics: Excellent ESCRExcellent impact resistanceLow warpageFair processing
Typical Applications: Chemical storage tanks, diesel tanks, spray tanks, IBC, and marine products
Information provided by SCG Chemicals

Order this product through the following link:

http://www.lookpolymers.com/polymer_SCG-Chemicals-EL-Lene-M50-Octene-C8-Rotational-Molding-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.935 g/cc	0.935 g/cc	ASTM D1505
Melt Flow	4.0 g/10 min	4.0 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	18.0 MPa	2610 psi	ASTM D638
Elongation at Break	1100 %	1100 %	ASTM D368
Flexural Modulus	0.650 GPa	94.3 ksi	ASTM D790
Dart Drop Total Energy	2.30 J/cm	0.00431 ft-lb/mil	ARM Method
	@Thickness 5.00 mm, Temperature -40.0 °C	@Thickness 0.197 in, Temperature -40.0 °F	

Thermal Properties	Metric	English	Comments
Melting Point	125 °C	257 °F	ASTM D2117
Crystallization Temperature	105 °C	221 °F	ASTM D2117

Descriptive Properties	Value	Comments
Food Contact Approved	FDA and AS/NZS 4020	
Heavy Metal Free (Base Resin)	Yes	
Peak Internal Air Temperature	225°C	TPE Method
Shrinkage Level	very small	TPE Method
UV Stabilizer	UV-6 & UV-8	ASTM G155

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