

SCG Chemicals EL-Leneâ,,ç M3804 Butene (C4) Rotational Molding Resin

Category : Polymer , Thermoplastic

Material Notes:

Natural base resin available in pellet / powder form
Key Characteristics: High stiffness Good processing Fair impact resistance Typical

Applications: General-purpose products, such as small-to-medium water tanks (

Order this product through the following link:

http://www.lookpolymers.com/polymer_SCG-Chemicals-EL-Lene-M3804-Butene-C4-Rotational-Molding-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.938 g/cc	0.938 g/cc	ASTM D1505
Melt Flow	4.0 g/10 min @Load 2.16 kg, Temperature 190 Â°C	4.0 g/10 min @Load 4.76 lb, Temperature 374 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	20.0 MPa	2900 psi	ASTM D638
Elongation at Break	800 %	800 %	ASTM D368
Flexural Modulus	0.700 GPa	102 ksi	ASTM D790
Dart Drop Total Energy	1.90 J/cm @Thickness 5.00 mm, Temperature -40.0 Â°C	0.00356 ft-lb/mil @Thickness 0.197 in, Temperature -40.0 Â°F	ARM Method

Thermal Properties	Metric	English	Comments
Melting Point	125 Â°C	257 Â°F	ASTM D2117
Crystallization Temperature	113 Â°C	235 Â°F	ASTM D2117

Descriptive Properties	Value	Comments
Food Contact Approved	FDA	
Heavy Metal Free (Base Resin)	Yes	
Peak Internal Air Temperature	195Â°C	TPE Method
Shrinkage Level	medium	TPE Method
UV Stabilizer	UV-8 & Low UV	ASTM G155

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