

ExxonMobil LLP8450.31 Rotational Molding Resin

Category : Polymer , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE), Rotational Molding Grade

Material Notes:

LProduct Description: LL 8450 is a linear low density hexene copolymer designed to offer excellent stiffness, processability, whiteness and ESCR. They are ideally suited for applications that require the optimum balance of stiffness and processability. Availability: Latin America, North America and South America Additive: Stabilizer: YesLong Term UV-8 Applications: Consumer ArticlesJunction BoxesPlayground EquipmentPotable Water TanksSmall Storage BoxesInformation provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LLP845031-Rotational-Molding-Resin.php

Physical Properties	Metric	English	Comments
Density	0.937 g/cc	0.0339 lb/in ³	ASTM D4883
ESCR 100% Igepal®	>= 1000 hour	>= 1000 hour	ASTM D1693
ESCR 10% Igepal®	185 hour	185 hour	ASTM D1693
Melt Flow	5.00 g/10 min @Load 2.16 kg, Temperature 190 °C	5.00 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	17.6 MPa	2550 psi	2.0 in/min; ASTM D638
Elongation at Yield	16.7 %	16.7 %	2.0 in/min; ASTM D638
Flexural Modulus	0.731 GPa	106 ksi	1% secant; ASTM D790
Impact Test	77.3 J @Thickness 3.17 mm, Temperature -40.0 °C	57.0 ft-lb @Thickness 0.125 in, Temperature -40.0 °F	ARM
	183 J @Thickness 6.35 mm, Temperature -40.0 °C	135 ft-lb @Thickness 0.250 in, Temperature -40.0 °F	ARM

Thermal Properties	Metric	English	Comments
Melting Point	127 °C	261 °F	ASTM D3418
Crystallization Temperature	112.3 °C	234.1 °F	ASTM D3418
Deflection Temperature at 0.46 MPa (66 psi)	61.0 °C	142 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	38.0 °C	100 °F	ASTM D648

Thermal Properties

Metric

English

Comments

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