

ExxonMobil LL 8460 Rotational Molding Resin (discontinued **)

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

Material Notes:

LL 8460 is a linear low density hexene copolymer designed to offer excellent ESCR and toughness. This resin is ideally suited for applications that require optimum balance of stiffness, processability, and low temperature toughness. Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LL-8460-Rotational-Molding-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.938 g/cc	0.0339 lb/in ³	ASTM D4883
ESCR 100% Igepal®	>= 1000 hour	>= 1000 hour	ASTM D1693
ESCR 10% Igepal®	145 hour	145 hour	ASTM D1693
Melt Flow	3.3 g/10 min	3.3 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	17.75 MPa	2575 psi	ASTM D638
Elongation at Yield	17.7 %	17.7 %	ASTM D638
Flexural Modulus	0.772 GPa	112 ksi	1% secant; ASTM D790
Impact Test	94.9 J	70.0 ft-lb	ARM
	@Thickness 3.17 mm, Temperature -40.0 °C	@Thickness 0.125 in, Temperature -40.0 °F	
	258 J	190 ft-lb	ARM
	@Thickness 6.35 mm, Temperature -40.0 °C	@Thickness 0.250 in, Temperature -40.0 °F	

Thermal Properties	Metric	English	Comments
Melting Point	127 °C	261 °F	ASTM D3418
Crystallization Temperature	112.7 °C	234.9 °F	ASTM D3418
Deflection Temperature at 0.46 MPa (66 psi)	62.0 °C	144 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	39.0 °C	102 °F	ASTM D648

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