

ExxonMobil LL 8450 Rotational Molding Resin (discontinued **)

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

Material Notes:

LL 8450 is a linear low density hexene copolymer designed to offer excellent stiffness, processability, whiteness and ESCR. This resin is ideally suited for applications that require optimum balance stiffness and processability. Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LL-8450-Rotational-Molding-Resin-nbspdiscontinued-.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	5.0 g/10 min	5.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	17.6 MPa	2550 psi	ASTM D638
Elongation at Yield	16.7 %	16.7 %	ASTM D638
Flexural Modulus	0.731 GPa	106 ksi	1% secant; ASTM D790
Impact Test	77.3 J	57.0 ft-lb	ARM
	@Thickness 3.17 mm, Temperature -40.0 °C	@Thickness 0.125 in, Temperature -40.0 °F	
	183 J	135 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	112.3 °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

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