

ExxonMobil Escorene® LL-8461 LMDPE Rotational Molding Grade (discontinued **)

Category : Polymer , Thermoplastic , Polyethylene (PE) , MDPE , Linear Medium Density Polyethylene (LMDPE), Rotational Molded

Material Notes:

Data provided by the manufacturer, Exxon Chemical.LL-8400 series are linear medium density polyethylene resins that provide outstanding environmental stress crack resistance. LL-8461 is fully formulated long term UV stability package in ground form.Applications: Septic tanks; Chemical storage bins; Rotomolded pallets; Potable water tanks.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Escorene-LL-8461-LMDPE-Rotational-Molding-Grade-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.938 g/cc	0.0339 lb/in ³	Exxon Method
Environmental Stress Crack Resistance	>= 500 hour	>= 500 hour	F50, Condition B; ASTM D1693
Melt Flow	3.3 g/10 min	3.3 g/10 min	Exxon Method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	17.9 MPa	2600 psi	ASTM D638
Elongation at Break	765 %	765 %	ASTM D638
Flexural Modulus	0.668 GPa	96.9 ksi	ASTM D790
Impact Test	237 J @Thickness 6.35 mm, Temperature -40.0 °C	175 ft-lb @Thickness 0.250 in, Temperature -40.0 °F	Impact Strength; Max Force; ARM

Thermal Properties	Metric	English	Comments
Melting Point	126.5 °C	259.7 °F	Exxon Method
Deflection Temperature at 0.46 MPa (66 psi)	52.5 °C	127 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	40.0 °C	104 °F	ASTM D648

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