

ExxonMobil Escorene® LL-8361 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-8300 series are linear medium density polyethylene resins that provide outstanding environmental stress crack resistance. LL-8361 is fully formulated long term UV stability package in ground form.Applications: Chemical storage bins; Rotomolded pallets; Agricultural tank inner liners; Potable water tanks.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Escorene-LL-8361-LMDPE-Rotational-Molding-Grade-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.932 g/cc	0.0337 lb/in ³	Exxon Method
Environmental Stress Crack Resistance	>= 500 hour	>= 500 hour	F50, Condition B; ASTM D1693
Melt Flow	5.2 g/10 min	5.2 g/10 min	Exxon Method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	15.9 MPa	2310 psi	ASTM D638
Elongation at Break	765 %	765 %	ASTM D638
Flexural Modulus	0.503 GPa	73.0 ksi	ASTM D790
Impact Test	244 J @Thickness 6.35 mm, Temperature -40.0 °C	180 ft-lb @Thickness 0.250 in, Temperature -40.0 °F	Impact Strength; Max Force; ARM

Thermal Properties	Metric	English	Comments
Melting Point	125 °C	257 °F	Exxon Method
Deflection Temperature at 0.46 MPa (66 psi)	49.0 °C	120 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	37.0 °C	98.6 °F	ASTM D648

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