

ExxonMobil Escorene® LL-8461 LLDPE, Rotational Molding Powder (discontinued **)

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

Material Notes:

Data Provided by Exxon Chemical Canada.Characteristics: Fully formulated, UV-8 type protection, Good stiffnessUses: Septic tanks, Chemical storage bins, Potable water tanks

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Density	0.938 g/cc	0.0339 lb/in ³	ASTM D4883
Environmental Stress Crack Resistance	>= 500 hour	>= 500 hour	F-50; 10% Igepal Cond. B; ASTM D1693
Melt Flow	3.3 g/10 min @Load 2.16 kg, Temperature 190 °C	3.3 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

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

Thermal Properties	Metric	English	Comments
Melting Point	126.5 °C	259.7 °F	Exxon Method
Deflection Temperature at 0.46 MPa (66 psi)	52.0 °C	126 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	40.0 °C	104 °F	ASTM D648

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