

ExxonMobil Escorene® LX-0252 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. A linear medium density polyethylene providing an excellent processing window for molding toys and consumer items. The resin is formulated to provide intermediate term UV stability. Applications: Toys; Consumer items.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Escorene-LX-0252-LMDPE-Rotational-Molding-Grade-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.9355 g/cc	0.03380 lb/in ³	Exxon Method
Environmental Stress Crack Resistance	200 hour	200 hour	F50, Condition B; ASTM D-1693
Melt Flow	5.5 g/10 min	5.5 g/10 min	Exxon Method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	16.3 MPa	2360 psi	ASTM D638
Elongation at Break	405 %	405 %	ASTM D638
Flexural Modulus	0.579 GPa	84.0 ksi	ASTM D790
Impact Test	179 J @ Thickness 6.35 mm, Temperature -40.0 °C	132 ft-lb @ Thickness 0.250 in, Temperature -40.0 °F	Impact Strength; Max Force; ARM

Thermal Properties	Metric	English	Comments
Melting Point	124.8 °C	256.6 °F	Exxon Method
Deflection Temperature at 0.46 MPa (66 psi)	50.0 °C	122 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	38.0 °C	100 °F	ASTM D648

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