

ExxonMobil Escorene® HD-8761 LHDPE Rotational Molding Grade (discontinued **)

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Rotational Molding Grade

Material Notes:

Data provided by the manufacturer, Exxon Chemical.HD-8700 series are linear high density polyethylene resins that provide outstanding environmental stress crack resistance. HD-8761 is fully formulated long term UV stability package in ground form.Applications: Recreational products; Industrial components; RV tanks.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Escorene-HD-8761-LHDPE-Rotational-Molding-Grade-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.948 g/cc	0.0342 lb/in ³	Exxon Method
Environmental Stress Crack Resistance	8.0 hour	8.0 hour	F50, Condition B; ASTM D-1693
Melt Flow	5.0 g/10 min	5.0 g/10 min	Exxon Method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	22.0 MPa	3190 psi	ASTM D638
Elongation at Break	405 %	405 %	ASTM D638
Flexural Modulus	0.930 GPa	135 ksi	ASTM D790
Impact Test	203 J @Thickness 6.35 mm, Temperature -40.0 °C	150 ft-lb @Thickness 0.250 in, Temperature -40.0 °F	Impact Strength; Max Force; ARM

Thermal Properties	Metric	English	Comments
Melting Point	133 °C	271 °F	Exxon Method
Deflection Temperature at 0.46 MPa (66 psi)	57.0 °C	135 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	42.0 °C	108 °F	ASTM D648

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