

ExxonMobil Escorene® HD-8761 HDPE, Rotational Molding Powder (discontinued **)

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

Material Notes:

Data Provided by Exxon Chemical Canada.Characteristics: Fully formulated UV-8 type protection, Higher stiffness, Good flowUses:

Recreational products, Industrial components, RV tanks

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Density	0.948 g/cc	0.0342 lb/in ³	ASTM D4883
Environmental Stress Crack Resistance	8.0 hour	8.0 hour	F-50; 10% Igepal Cond. B; ASTM D-1693
Melt Flow	5.0 g/10 min @Load 2.16 kg, Temperature 190 °C	5.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

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

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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