

ExxonMobil Escorene® HD-6704 HDPE, Injection Grade (discontinued **)

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Injection Molded

Material Notes:

Data Provided by Exxon Chemical Canada.Characteristics: Excellent Toughness, Excellent Stiffness, Excellent ESCRUses: Industrial containers, Industrial lids

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Escorene-HD-6704-HDPE-Injection-Grade-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.954 g/cc	0.0345 lb/in ³	ASTM D4883
Environmental Stress Crack Resistance	16 hour	16 hour	F-50; 10% Igepal Cond. B; ASTM D-1693
Linear Mold Shrinkage	0.017 cm/cm	0.017 in/in	Exxon Method
Melt Flow	4.5 g/10 min @Load 2.16 kg, Temperature 190 °C	4.5 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238
Spiral Flow	33.0 cm	13.0 in	Exxon Method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	24.8 MPa	3600 psi	ASTM D638
Elongation at Yield	17 %	17 %	ASTM D638
Flexural Modulus	0.676 GPa	98.0 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Melting Point	132 °C	270 °F	Exxon Method
Brittleness Temperature	<= -70.0 °C	<= -94.0 °F	ASTM D746

Processing Properties	Metric	English	Comments
Nozzle Temperature	260 °C	500 °F	Nozzle (Melt)

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