

ExxonMobil Escorene® HD-6706 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 Impact, Good Stiffness, Excellent ESCRUses: Pails, Industrial containers, Structural foams

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Escorene-HD-6706-HDPE-Injection-Grade-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.952 g/cc	0.0344 lb/in ³	ASTM D4883
Environmental Stress Crack Resistance	9.0 hour	9.0 hour	F-50; 10% Igepal Cond. B; ASTM D-1693
Linear Mold Shrinkage	0.015 cm/cm	0.015 in/in	Exxon Method
Melt Flow	6.7 g/10 min @Load 2.16 kg, Temperature 190 °C	6.7 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238
Spiral Flow	36.0 cm	14.2 in	Exxon Method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	24.1 MPa	3500 psi	ASTM D638
Elongation at Yield	18 %	18 %	ASTM D638
Flexural Modulus	0.662 GPa	96.0 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Melting Point	131 °C	268 °F	Exxon Method
Brittleness Temperature	<= -70.0 °C	<= -94.0 °F	ASTM D746

Processing Properties	Metric	English	Comments
Nozzle Temperature	245 °C	473 °F	Nozzle (Melt)

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