

**ExxonMobil Escorene® HD-6705 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: Medium Flow, Good Stiffness, Good ImpactUses: Food containers, Housewares, Toys

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-Escorene-HD-6705-HDPE-Injection-Grade-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_ExxonMobil-Escorene-HD-6705-HDPE-Injection-Grade-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.952 g/cc	0.0344 lb/in <sup>3</sup>	ASTM D4883
Environmental Stress Crack Resistance	<= 2.0 hour	<= 2.0 hour	F-50; 10% Igepal Cond. B; ASTM D-1693
Linear Mold Shrinkage	0.016 cm/cm	0.016 in/in	Exxon Method
Melt Flow	19 g/10 min @Load 2.16 kg, Temperature 190 °C	19 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238
Spiral Flow	47.5 cm	18.7 in	Exxon Method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	24.1 MPa	3500 psi	ASTM D638
Elongation at Yield	19 %	19 %	ASTM D638
Flexural Modulus	0.648 GPa	94.0 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	215 °C	419 °F	Nozzle (Melt)

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