ExxonMobil HD 6761.17 Injection Molding Resin (discontinued **)

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

Material Notes:

HD 6761 is a narrow molecular weight hexene copolymer designed for good processability and excellent balance of ESCR, Toughness, and Stiffness properties. This resin is ideally suited for a heavy-duty applications that require robust performance in conditions ranging from ambient to sub-zero temperatures.Information provided by ExxonMobil Chemical

Order this product through the following link:
http://www.lookpolymers.com/polymer_ExxonMobil-HD-676117-Injection-Molding-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.952 g/cc	0.0344 lb/in³	ASTM D4883
Environmental Stress Crack Resistance	10 hour	10 hour	Cond. B, 10%; ASTM D1693
Melt Flow	6.1 g/10 min @Load 2.16 kg, Temperature 190 °C	6.1 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	24.5 MPa	3560 psi	ASTM D638
Elongation at Break	60 %	60 %	ASTM D638
Flexural Modulus	0.910 GPa	132 ksi	1% Secant; ASTM D790
Izod Impact, Notched	0.769 J/cm @Temperature -40.0 °C	1.44 ft-lb/in @Temperature -40.0 °F	ASTM D256
Tensile Impact Strength	349 kJ/m² @Temperature -40.0 °C	166 ft-lb/in² @Temperature -40.0 °F	ASTM D1822

Thermal Properties	Metric	English	Comments
Melting Point	132 °C	270 °F	ASTM D3418
Crystallization Temperature	115 °C	239 °F	ASTM D3418
Deflection Temperature at 0.46 MPa (66 psi)	67.0 °C	153 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	40.0 °C	104 °F	ASTM D648
Brittleness Temperature	<= -70.6 °C	<= -95.0 °F	ASTM D746

Descriptive Properties	Value	Comments
Features	Standard Processing Antioxidants Stabilizer	
Form	Pellet	

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