ExxonMobil HD 6908.18 Injection Molding Resin (discontinued **)

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

Material Notes:

HD 6908 is a homopolymer with outstanding stiffness with a good balance of processability and cold temperature impact performance. This resin is ideally suited for articles requiring very high stiffness or enable down-gauging. This material offers excellent performance in structural foam articles.Information provided by ExxonMobil Chemical

Order this product through the following link:
http://www.lookpolymers.com/polymer_ExxonMobil-HD-690818-Injection-Molding-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.965 g/cc	0.0349 lb/in³	ASTM D4883
Environmental Stress Crack Resistance	<= 3.0 hour	<= 3.0 hour	Cond. B, 10%; ASTM D1693
Melt Flow	8.0 g/10 min @Load 2.16 kg, Temperature 190 °C	8.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	28.1 MPa	4070 psi	ASTM D638
Elongation at Break	48 %	48 %	ASTM D638
Flexural Modulus	1.185 GPa	171.8 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	311.8 kJ/m² @Temperature -40.0 °C	148.5 ft-lb/in² @Temperature -40.0 °F	ASTM D1822

Thermal Properties	Metric	English	Comments
Melting Point	136 °C	277 °F	ASTM D3418
Crystallization Temperature	116 °C	241 °F	ASTM D3418
Deflection Temperature at 0.46 MPa (66 psi)	71.0 °C	160 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	42.0 °C	108 °F	ASTM D648
Brittleness Temperature	<= -70.0 °C	<= -94.0 °F	ASTM D746

Descriptive Properties	Value	Comments
Features	Standard Processing Antioxidants Stabilizer	
Form	Pellet	

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