

ExxonMobil HD 6605.70 Injection Molding Resin

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

Material Notes:

Product Description: HD 6605.70 is a narrow molecular weight hexane copolymer designed for a wide range of injection molding applications, offering excellent ESCR with good stiffness-toughness balance. Ideally suited for articles requiring rugged physical performance in cold temperature environments.
Availability: Latin America, North America and South America
Additive: Anti-gas fading: Yes
Applications: Automotive Components Industrial Closures Recreation Vehicle – Components Waste Carts
 Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-HD-660570-Injection-Molding-Resin.php

Physical Properties	Metric	English	Comments
Density	0.948 g/cc	0.0342 lb/in ³	ASTM D4883
Environmental Stress Crack Resistance	20 hour	20 hour	Cond. B, 10%; ASTM D1693
Melt Flow	5.0 g/10 min @Load 2.16 kg, Temperature 190 °C	5.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	23.4 MPa	3400 psi	ASTM D638
Elongation at Break	1000 %	1000 %	ASTM D638
Flexural Modulus	0.9653 GPa	140.0 ksi	2% Secant; ASTM D790
Flexural Modulus, 1% Secant	1100 MPa	160000 psi	ASTM D790
Izod Impact, Notched	0.534 J/cm @Temperature -40.0 °C	1.00 ft-lb/in @Temperature -40.0 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	130 °C	266 °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)	38.0 °C	100 °F	ASTM D648

Descriptive Properties	Value	Comments
Features	Gas Fade Resistant	

Descriptive Properties	Value	Comments
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