

ExxonMobil HDPE HD 6719.17 High Density Polyethylene Copolymer Resin

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE

Material Notes:

Product Description: HD 6719 is a narrow molecular weight hexane copolymer designed for a wide range of injection molding applications, combining easy processability with good toughness properties. Ideally suited for articles requiring low warpage, glossy surfaces and cold temperature impact resistance. **Availability:** Latin America, North America and South America **Additive:** Antioxidant: Yes **Applications:** Food Packaging Containers Houseware Articles Lawn & Garden Accessories Soda Carrier Totes Toys **Information provided by ExxonMobil**

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-HDPE-HD-671917-High-Density-Polyethylene-Copolymer-Resin.php

Physical Properties	Metric	English	Comments
Density	0.952 g/cc	0.0344 lb/in ³	ExxonMobil 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

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	1.86 MPa	270 psi	ASTM D638
Tensile Strength, Yield	25.5 MPa	3700 psi	ASTM D638
Flexural Modulus	1.10 GPa	160 ksi	2% Secant; ASTM D790B
Flexural Modulus, 1% Secant	1240 MPa	180000 psi	ASTM D790B
Izod Impact, Notched	0.326 J/cm @Temperature -40.0 °C	0.610 ft-lb/in @Temperature -40.0 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	<= 267 °C	<= 513 °F	Peak Melting Point; ExxonMobil method
Deflection Temperature at 0.46 MPa (66 psi)	73.3 °C	164 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	45.6 °C	114 °F	ASTM D648B

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