

ExxonMobil HDPE HD 6909.65 High Density Polyethylene Copolymer Resin

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

Material Notes:

Product Description: 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. **Availability:** Latin America, North America and South America **Additive:** Antioxidant: Yes **UV Stabilizer:** Yes **Applications:** Cases Crates Hot Fill Packaging Pails Materials Handling Articles Pallets Structural Foam Articles Totes Bins **Information provided by ExxonMobil**

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-HDPE-HD-690965-High-Density-Polyethylene-Copolymer-Resin.php

Physical Properties	Metric	English	Comments
Density	0.965 g/cc	0.0349 lb/in ³	ExxonMobil method
ESCR 10% Igepal®	3.0 hour	3.0 hour	F50; ASTM D1963B
Melt Flow	8.2 g/10 min @Load 2.16 kg, Temperature 190 °C	8.2 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	3.03 MPa	440 psi	ASTM D638
Tensile Strength, Yield	30.3 MPa	4400 psi	ASTM D638
Flexural Modulus	1.59 GPa	230 ksi	2% Secant; ASTM D790B
Flexural Modulus, 1% Secant	1860 MPa	270000 psi	ASTM D790B
Izod Impact, Notched	0.475 J/cm @Temperature -40.0 °C	0.890 ft-lb/in @Temperature -40.0 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	<= 275 °C	<= 527 °F	Peak Melting Point; ExxonMobil method
Deflection Temperature at 0.46 MPa (66 psi)	87.2 °C	189 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	48.3 °C	119 °F	ASTM D648B

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