

Chevron Phillips Marlex® 9708 HDPE Injection Molding Resin

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

Material Notes:

Resin Type: Linear Homopolymer; ASTM D 4976 Classification: PE 243, A 63700 Characteristics: Moderate Flow, Good Impact Strength, Excellent Stiffness, Good ESCR, Moderate Shrinkage Resistance Applications: Crates and totes, structural foam Data provided by Chevron Chemical.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-Marlex-9708-HDPE-Injection-Molding-Resin.php

Physical Properties	Metric	English	Comments
Density	0.962 g/cc	0.0348 lb/in³	ASTM D1505
Apparent Bulk Density	0.590 g/cc	0.0213 lb/in³	ASTM D1895
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 D 1238
High Load Melt Index	216 g/10 min @Load 21.6 kg, Temperature 190 °C	216 g/10 min @Load 47.6 lb, Temperature 374 °F	ASTM D 1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	31.0 MPa	4500 psi	ASTM D638
Elongation at Break	>= 200 %	>= 200 %	ASTM D638
Flexural Modulus	1.25 GPa	181 ksi	3 pt. secant. ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	127 °C	261 °F	ASTM D1525

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