

Chevron Phillips Marlex® 1412 Injection Molding Resin

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Molded

Material Notes:

Resin Type: Homopolymer; ASTM D 4976 Classification: PE 111, A 22200 Characteristics: Good Flexibility, Excellent Flow, Excellent Warping Resistance, Excellent Mold Release, Moderate ESCR Applications: Lids and Over-Caps using Multilevel Molds Data provided by Chevron Chemical.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-Marlex-1412-Injection-Molding-Resin.php

Physical Properties	Metric	English	Comments
Density	0.924 g/cc	0.0334 lb/in ³	ASTM D1505
Melt Flow	35 g/10 min @Load 2.16 kg, Temperature 190 °C	35 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D 1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	55	55	ASTM D2240
Tensile Strength, Ultimate	11.1 MPa	1610 psi	ASTM D638
Tensile Strength, Yield	11.1 MPa	1610 psi	ASTM D638
Elongation at Break	200 %	200 %	ASTM D638
Flexural Modulus	0.193 GPa	28.0 ksi	3 pt. secant; ASTM D790
	0.269 GPa	39.0 ksi	3 pt. Tangent; ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	96.0 °C	205 °F	ASTM D1525
Brittleness Temperature	-38.0 °C	-36.4 °F	ASTM D746

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