

Chevron Phillips Marlex® 1007 Injection Molding Resin

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

Material Notes:

Resin Type: Homopolymer; ASTM D 4976 Classification: PE 113, A 25200 Characteristics: Excellent Flexibility, Good Flow, Good Warping Resistance, Moderate Mold Release, Good ESCR Applications: Housewares, Tamper Evident Snap-On Caps, Wine Bottle Sleeve Caps Data provided by Chevron Chemical.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-Marlex-1007-Injection-Molding-Resin.php

Physical Properties	Metric	English	Comments
Density	0.917 g/cc	0.0331 lb/in³	ASTM D1505
Melt Flow	7.0 g/10 min	7.0 g/10 min	ASTM D 1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	50	50	ASTM D2240
Tensile Strength, Ultimate	13.8 MPa	2000 psi	ASTM D638
Tensile Strength, Yield	8.30 MPa	1200 psi	ASTM D638
Elongation at Break	600 %	600 %	ASTM D638
Flexural Modulus	0.124 GPa	18.0 ksi	3 pt. secant; ASTM D790
	0.166 GPa	24.1 ksi	3 pt. Tangent; ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	92.0 °C	198 °F	ASTM D1525
Brittleness Temperature	<= -72.0 °C	<= -97.6 °F	ASTM D746

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