

Chevron Phillips Marlex® 1122B 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 24200 Characteristics: Excellent Flexibility, Moderate Flow, Moderate Warping Resistance, Moderate Mold Release, Excellent ESCR Applications: Health Care Product Closures, Charcoal Lighter Fluid Closure, Champagne Bottle Stoppers Data provided by Chevron Chemical.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-Marlex-1122B-Injection-Molding-Resin.php

Physical Properties	Metric	English	Comments
Density	0.920 g/cc	0.0332 lb/in ³	ASTM D1505
Melt Flow	2.0 g/10 min	2.0 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	54	54	ASTM D2240
Tensile Strength, Ultimate	13.8 MPa	2000 psi	ASTM D638
Tensile Strength, Yield	9.50 MPa	1380 psi	ASTM D638
Elongation at Break	500 %	500 %	ASTM D638
Flexural Modulus	0.152 GPa	22.0 ksi	3 pt. secant; ASTM D790
	0.221 GPa	32.1 ksi	3 pt. Tangent; ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	98.0 °C	208 °F	ASTM D1525
Brittleness Temperature	<= -72.0 °C	<= -97.6 °F	ASTM D746

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