

Chevron Phillips Marlex® 1009 LDPE Injection Molding Resin

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

Material Notes:

Resin Type: Homopolymer
Characteristics: Excellent flexibility
Excellent flow
Moderate mold release
Good warpage resistance
Applications:
Large housewares
Tamper evident, snap-on caps
Feminine hygiene applications
Information provided by Chevron Phillips.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-Marlex-1009-LDPE-Injection-Molding-Resin.php

Physical Properties	Metric	English	Comments
Density	0.917 g/cc	0.0331 lb/in ³	ASTM D1505
Melt Index of Compound	16 g/10 min	16 g/10 min	Condition 190/2.16; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	46	46	ASTM D2240
Tensile Strength, Yield	9.00 MPa	1310 psi	2 in/min, Type IV bar; ASTM D638
Elongation at Break	500 %	500 %	2 in/min, Type IV bar; ASTM D638
Flexural Modulus	0.200 GPa	29.0 ksi	Tangent, 16:1 span:depth,0.5in/min; ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	85.0 °C	185 °F	Loading 1, Rate A; ASTM D1525
Brittleness Temperature	-54.0 °C	-65.2 °F	Type A, type 1 specimen; ASTM D746

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