

Chevron Phillips Marlex® 5104 LDPE Blow Molding Resin

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Blow Molding Grade

Material Notes:

Resin Type: Homopolymer
Characteristics: High Melt Strength, Good Parison Control, Good Stability, Low Taste and Odor Characteristics, Good Impact and Toughness, Good Clarity on Gloss, Long Standing in the Pharmaceutical Industry
Applications: Squeeze Bottles, Personal Care, Flexible Toys, Adhesives, Toiletries, Food and Drink Bottles, Pharmaceuticals. Burn Rate

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-Marlex-5104-LDPE-Blow-Molding-Resin.php

Physical Properties	Metric	English	Comments
Density	0.923 g/cc	0.0333 lb/in ³	ASTM D1505
Apparent Bulk Density	0.526 g/cc	0.0190 lb/in ³	ASTM D1895
Melt Flow	1.3 g/10 min @Load 2.16 kg, Temperature 190 °C	1.3 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, Yield	16.5 MPa	2390 psi	ASTM D638
Elongation at Break	>= 600 %	>= 600 %	ASTM D638
Flexural Modulus	0.179 GPa	26.0 ksi	3 pt. secant. ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	100 °C	212 °F	ASTM D1525
Brittleness Temperature	<= -72.0 °C	<= -97.6 °F	ASTM D746

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