

NOVA Chemicals Novapol® LM-4021-L LDPE Injection Molding Resin

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

Material Notes:

Features: Medium flow LDPE with a good balance of toughness, softness, dimensional stability and processability Applications: Injection molding of caps, closures and other specialty products Information provided by Nova Chemicals

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Novapol-LM-4021-L-LDPE-Injection-Molding-Resin.php

Physical Properties	Metric	English	Comments
Density	0.921 g/cc	0.0333 lb/in ³	ASTM D792
Melt Flow	40 g/10 min @Load 2.16 kg, Temperature 190 °C	40 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	52	52	ASTM D2240
Tensile Strength at Break	8.20 MPa	1190 psi	ASTM D638
Tensile Strength, Yield	9.40 MPa	1360 psi	ASTM D638
Elongation at Break	130 %	130 %	ASTM D638
Secant Modulus	0.227 GPa	32.9 ksi	2%; ASTM D790
	0.295 GPa	42.8 ksi	1%; ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	86.0 °C	187 °F	ASTM D1525
Brittleness Temperature	<= -35.0 °C	<= -31.0 °F	0% Failure Rate; ASTM D746

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