

NOVA Chemicals Novapol® LF-0718-A-INJECTION LDPE Injection Molding Resin

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

Material Notes:

LF-0718-A complies with the U.S. FDA specifications for olefin polymers and may be used in the U.S. as an article or component of an article intended for use in contact with food. LF-0718-A is subject to the specific limitation that it may not be used in articles used for packing or holding food during cooking. This resin is biologically and chemically inert. Features: Excellent balance of toughness and softness, Good processability and dimensional stability Applications: Caps and closures, including tamper evident closures

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Novapol-LF-0718-A-INJECTION-LDPE-Injection-Molding-Resin.php

Physical Properties	Metric	English	Comments
Density	0.917 g/cc	0.0331 lb/in³	ASTM D 792
Melt Flow	7.0 g/10 min @Load 2.16 kg, Temperature 190 °C	7.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D 1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	53	53	ASTM D 2240
Tensile Strength at Break	11.0 MPa	1600 psi	ASTM D 638
Tensile Strength, Yield	9.00 MPa	1310 psi	ASTM D 638
Elongation at Break	548 %	548 %	ASTM D 638
Flexural Modulus	0.211 GPa	30.6 ksi	2% Secant; ASTM D 790
Flexural Modulus, 1% Secant	236 MPa	34200 psi	ASTM D 790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	83.0 °C	181 °F	ASTM D 1525

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