

NOVA Chemicals Novapol® LF-0219-A LDPE Blow Molding Resin

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

Material Notes:

Good heat sealing latitude, Easy processability
Applications: Food contact, Squeeze bottles, Non-ESCR
Additives: Base resin
Information provided by NOVA Chemicals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Novapol-LF-0219-A-LDPE-Blow-Molding-Resin.php

Physical Properties	Metric	English	Comments
Density	0.919 g/cc	0.0332 lb/in ³	ASTM D792
Environmental Stress Crack Resistance	100 hour	100 hour	F _{>50} ; Condition B, 100% Igepal; ASTM D1693
Melt Flow	2.3 g/10 min @Load 2.16 kg, Temperature 190 °C	2.3 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, Yield	8.90 MPa	1290 psi	50 mm/min; ASTM D638
Elongation at Break	630 %	630 %	50 mm/min; ASTM D638
Flexural Modulus	0.212 GPa	30.7 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	91.0 °C	196 °F	ASTM D1525

Processing Properties	Metric	English	Comments
Melt Temperature	160 - 190 °C	320 - 374 °F	

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