

NOVA Chemicals Novapol® LA-0219-A LDPE Foam Resin

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE

Material Notes:

Features: Good heat sealing latitude Moderate toughness Easy processability Applications: Industrial packaging Liners Blends with LLDPE Foam Articles Information provided by Nova Chemicals

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Novapol-LA-0219-A-LDPE-Foam-Resin.php

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in ³	ASTM D792
Thickness	38.0 microns	1.50 mil	
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
Film Tensile Strength at Yield, MD	10.0 MPa	1450 psi	ASTM D882
Film Tensile Strength at Yield, TD	8.96 MPa	1300 psi	ASTM D882
Tensile Strength, Yield	8.80 MPa	1280 psi	ASTM D638
Film Elongation at Yield, MD	350 %	350 %	ASTM D882
Film Elongation at Yield, TD	550 %	550 %	ASTM D882
Elongation at Break	712 %	712 %	ASTM D638
Flexural Modulus	0.296 GPa	42.9 ksi	0.01; ASTM D790
Puncture Energy	1.71 J	1.26 ft-lb	NOVA test
Coefficient of Friction	>= 0.60	>= 0.60	ASTM D1894
Elmendorf Tear Strength MD	225 g	225 g	ASTM D1922
Elmendorf Tear Strength TD	150 g	150 g	ASTM D1922
Dart Drop Test	90.0 g	0.198 lb	F₅₀; ASTM D1709/A
Film Tensile Strength at Break, MD	17.9 MPa	2600 psi	ASTM D882
Film Tensile Strength at Break, TD	15.9 MPa	2300 psi	ASTM D882
1% Secant Modulus, MD	152 MPa	22000 psi	ASTM D882

1% Secant Modulus, TD Mechanical Properties	176 MPa Metric	25500 psi English	ASTM D882 Comments
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Optical Properties	Metric	English	Comments
Haze	12 %	12 %	ASTM D1003
Gloss	40 %	40 %	at 45°; ASTM D2457

Contact Songhan Plastic Technology Co.,Ltd.

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