

NOVAPOL® LF-0222-B

Low Density Polyethylene

NOVA Chemicals

Message:

NOVAPOL® LF-0222-B is a Low Density Polyethylene material. It is available in North America for blown film.

Important attributes of NOVAPOL® LF-0222-B are:

Antiblock

Clarity

Food Contact Acceptable

Good Processability

Slip

Typical applications include:

Film

Food Contact Applications

Packaging

General Information			
Additive	Antiblock Slip		
Features	Antiblocking Food Contact Acceptable Good Processability High Clarity Slip		
Uses	Film Packaging		
Agency Ratings	FDA 21 CFR 177.1520(c) 2.2		
Processing Method	Blown Film		
Physical	Nominal Value	Unit	Test Method
Density	0.922	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.2	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	38	µm	
Film Thickness - Recommended / Available	>25 µm		
Tensile Strength			ASTM D882
MD : Yield,38 µm, Blown Film	10.0	MPa	
TD : Yield,38 µm, Blown Film	10.0	MPa	
MD : Break, 38 µm,Blown Film	21.0	MPa	
TD : Break, 38 µm,Blown Film	19.0	MPa	
Tensile Elongation			ASTM D882

MD : Break, 38 µm,Blown Film	420	%	
TD : Break, 38 µm,Blown Film	570	%	
Dart Drop Impact (38 µm, Blown Film)	100	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 38 µm, Blown Film	170	g	
TD : 38 µm, Blown Film	300	g	
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 38.0 µm, Blown Film)	73		ASTM D2457
Haze (38.0 µm, Blown Film)	7.0	%	ASTM D1003

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