

NOVAPOL® LF-0222-F

Low Density Polyethylene

NOVA Chemicals

Message:

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

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

Clarity

Food Contact Acceptable

Good Processability

Homopolymer

Typical applications include:

Film

Food Contact Applications

Packaging

General Information			
Features	Food Contact Acceptable		
	Good Processability		
	High Clarity		
	Homopolymer		
	Low Density		
Uses	Film		
	Packaging		
Agency Ratings	FDA 21 CFR 177.1520(c) 2.2		
Processing Method	Blown Film		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.922	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.2	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction (Blown Film)	> 0.50		ASTM D1894
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	38	µm	ASTM D882
Secant Modulus			
1% Secant, MD : 38 µm, Blown Film	190	MPa	ASTM D882
1% Secant, TD : 38 µm, Blown Film	210	MPa	
Tensile Strength			ASTM D882
MD : Yield, 38 µm, Blown Film	11.0	MPa	ASTM D882
TD : Yield, 38 µm, Blown Film	11.0	MPa	
MD : Break, 38 µm, Blown Film	21.0	MPa	ASTM D882
TD : Break, 38 µm, Blown Film	18.0	MPa	

Tensile Elongation			ASTM D882
MD : Break, 38 µm,Blown Film	400	%	
TD : Break, 38 µm,Blown Film	560	%	
Dart Drop Impact (38 µm, Blown Film)	120	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 38 µm, Blown Film	230	g	
TD : 38 µm, Blown Film	270	g	
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 38.0 µm, Blown Film)	79		ASTM D2457
Haze (38.0 µm, Blown Film)	5.0	%	ASTM D1003

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