

NOVAPOL® LA-0219-A

Low Density Polyethylene

NOVA Chemicals

Message:

NOVAPOL® LA-0219-A is a Low Density Polyethylene material. It is available in North America for foam processing.

Important attributes of NOVAPOL® LA-0219-A are:

Food Contact Acceptable

Good Processability

Good Sealability

Good Toughness

Typical applications include:

Additive/Masterbatch

Bags/Liners

Foam

Food Contact Applications

Industrial Applications

General Information			
Features	Food Contact Acceptable		
	Good Heat Seal		
	Good Processability		
	Good Toughness		
	Low Density		
Uses	Blending		
	Foam		
	Industrial Applications		
	Liners		
	Packaging		
Agency Ratings	FDA 21 CFR 177.1520(c) 2.1		
Forms	Pellets		
Processing Method	Foam Processing		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.918	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.3	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	8.80	MPa	ASTM D638
Tensile Elongation (Break)	710	%	ASTM D638
Flexural Modulus - 1% Secant	296	MPa	ASTM D790
Coefficient of Friction (Blown Film)	> 0.60		ASTM D1894
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	38	µm	

Secant Modulus			ASTM D882
1% Secant, MD : 38 μ m, Blown Film	150	MPa	
1% Secant, TD : 38 μ m, Blown Film	175	MPa	
Tensile Strength			ASTM D882
MD : Yield,38 μ m, Blown Film	10.0	MPa	
TD : Yield,38 μ m, Blown Film	9.00	MPa	
MD : Break, 38 μ m,Blown Film	18.0	MPa	
TD : Break, 38 μ m,Blown Film	16.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 38 μ m,Blown Film	350	%	
TD : Break, 38 μ m,Blown Film	550	%	
Dart Drop Impact (38 μ m, Blown Film)	90	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 38 μ m, Blown Film	230	g	
TD : 38 μ m, Blown Film	150	g	
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 38.0 μ m, Blown Film)	40		ASTM D2457
Haze (38.0 μ m, Blown Film)	12	%	ASTM D1003
Additional Information	Nominal Value	Unit	Test Method
Melt Strength	0.500	g/3 min	
Puncture ¹ (38.0 μ m)	450	J/cm	Internal Method
NOTE			
1.	Blown Film		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

