

LA-0219-A

Melt Index 2.3

Density 0.918

Features

- Good heat sealing latitude
- Moderate toughness
- Easy processability

Additives

- Base resin

Applications

- Industrial packaging
- Liners
- Blends with LLDPE
- Foam articles

Properties		ASTM ⁽¹⁾	Units	Typical Values ⁽²⁾
Melt Index⁽³⁾		D 1238	g/10 min	2.3
Density		D 792	g/cm ³	0.918
Melt Strength⁽⁵⁾			g/3 min	0.50
Film Properties⁽⁴⁾				
Thickness			µm (mil)	38 (1.5)
Tear Strength	MD TD	D 1922	g g	225 150
Dart Drop Impact, F₅₀		D 1709/A	g	90
Puncture⁽⁵⁾			J/mm (in-lb/mil)	45 (10)
Tensile Strength	MD TD	D 882	MPa (psi) MPa (psi)	18 (2 600) 16 (2 300)
Yield Strength	MD TD	D 882	MPa (psi) MPa (psi)	10 (1 450) 9 (1 300)
Elongation	MD TD	D 882	% %	350 550
1% Secant Modulus	MD TD	D 882	MPa (psi) MPa (psi)	150 (22 000) 175 (25 500)
Haze		D 1003	%	12
Gloss @ 45°		D 2457	--	40
Coefficient of Friction		D 1894	--	> 0.6
Plaque Properties				
1% Flexural Modulus		D 790	MPa (psi)	296 (42 900)
Tensile Yield Strength		D 638	MPa (psi)	8.8 (1 300)
Tensile Elongation		D 638	%	712

(1) Properties designated have been determined using methods which are in accordance with or substantially in accordance with the specified testing standards.

(2) Typical Values represent average laboratory values and are intended as guides only, not as specifications.

(3) Condition 190/2.16.

(4) Film properties are typical of blown film extruded at a blowup ratio of 2.5:1, but are dependent upon operating conditions.

(5) NOVA Chemicals test method.

LA-0219-A – LDPE

NOVAPOL

Availability

NOVAPOL polyethylene resins are available in bulk hopper cars, hopper trucks, boxes, sea bulk containers or bags. The product type and batch number are clearly marked on each container. Contact the NOVA Chemicals sales office nearest you for availability in your area.

Storage/Handling

LA-0219-A should be stored in a clean, dry place at ambient temperatures. Prolonged or improper storage can result in deterioration of product properties. Care should be taken when handling and transferring product to prevent foreign matter contamination. **The NOVA Chemicals Material Safety Data Sheet (MSDS)** contains important safety information and should be reviewed before using the product.

Processing Conditions**Recommended Conditions:**

Melt temperature	170°C - 190°C 340°F - 375°F
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Recommended blow-up ratio	2:1 - 3:1
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Film thickness	1.0 mil (25 µm) or greater
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Comprehensive assistance with processing conditions and technology is available from NOVA Chemicals Technical Service at (403) 291-8444.

Food Packaging Status

United States: LA-0219-A complies with the specifications contained in the U.S. Food and Drug Administration (FDA) regulation 21 CFR 177.1520 for olefin polymers, para. (c) 2.1, and may thus be used in the United States as an article or component of an article intended for use in contact with food. LA-0219-A is subject to the specific limitation that it may not be used in articles used for packing or holding food during cooking.

Other Countries: For regulatory compliance information for other countries, please contact your nearest NOVA Chemicals office.

Environmental

NOVA Chemicals' polyethylene resins are biologically and chemically inert, but improper disposal may present an ingestion hazard to wildlife. Where recycling of NOVA Chemicals' polyethylene resins is not possible, disposal to landfill or incineration in accordance with all applicable government laws and regulations is recommended. Please contact NOVA Chemicals Technical Service for further information on recycling and disposal of NOVA Chemicals resins.



LDPE is the SPI resin code developed for low density polyethylene to identify material type for sorting and recycling purposes.

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