NOVA Chemicals®

polyethylene

product data sheet

NOVAPOL® LA-0219-A Resin

Homopolymer LDPE Foam Resin

Property	ASTM	Typical Values	
Melt Index[3]	D 1238	2.3	g/10 min
Density	D 792	0.918	g/cm³
Melt Strength		0.50	g/3 min

			METRIC UNITS		ENGLISH UNITS
Film Properties[4]					
Thickness			38	µm	1.5 mil
Tear Strength	MD	D 1922	225	g	
	TD		150	g	
Dart Drop Impact, F_{50}		D 1709/A	90	g	
Low Friction Puncture[5]			45	J/mm	10 in-lb/mil
Tensile Strength	MD	D 882	18	MPa	2,600 psi
	TD		16	MPa	2,300 psi
Yield Strength	MD	D 882	10	MPa	1,500 psi
	TD		9	MPa	1,300 psi
Elongation	MD	D 882	350	%	350 %
	TD		550	%	550 %
1% Secant Modulus	MD	D 882	150	MPa	21,800 psi
	TD		175	MPa	25,400 psi
Haze		D 1003	12	%	12 %
Gloss @ 45°		D 2457	40		40
Coefficient of Friction		D 1894	> 0.6		> 0.6
Plaque Properties					
1% Flexural Secant Modulus		D 790	296	MPa	42,900 psi
Yield Strength		D 638	8.8	MPa	1,300 psi
Elongation		D 638	712	%	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°C/2.16 kg.

(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.

Melt Index	2.3
Density	0.918
Slip	None
Antiblock	None

Features

- Versatile multipurpose foam processing
- Good foam-processing window
- Suitable drawdown characteristics
- Maintains foam dimensional stability
- Achieves packaging-foam density

Additives

- Base resin

Applications

- Edge protection
- Foam sheet and profile extrusion
- Conventional and cross-linked foams
- Specialty foams

polyethylene

PRODUCT DATA SHEET

NOVAPOL LA-0219-A Resin

Homopolymer LDPE Foam Resin

Availability

NOVAPOL LA-0219-A 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

NOVAPOL LA-0219-A resin 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 Safety Data Sheet (SDS) contains important safety information and should be reviewed before using the product.

Processing Conditions

Comprehensive assistance with processing conditions and technology is available from NOVA Chemicals Technical Service at (403) 291-8444.

Food Packaging Status

United States: NOVAPOL LA-0219-A resin 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. This resin 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.



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

NOVA Chemicals® is a registered trademark of NOVA Brands Ltd.; authorized use/utilisation autorisée.
NOVAPOL® is a registered trademark of NOVA Brands Ltd.; authorized use/utilisation autorisée.

April 20, 2018

NOVA Chemicals® 403.291.8444 | 800.222.7213 | info@novachem.com | www.novachemicals.com

The above information is provided in good faith. NOVA Chemicals is not responsible for any processing or compounding which may occur to produce finished articles, packaging materials or their components. Further, NOVA CHEMICALS MAKES NO WARRANTY OR REPRESENTATION OF ANY KIND, REGARDING THE INFORMATION GIVEN FOR THE PRODUCTS DESCRIBED, AND EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES, REPRESENTATIONS AND CONDITIONS, INCLUDING WITHOUT LIMITATION ALL WARRANTIES AND CONDITIONS OF QUALITY, MERCHANTABILITY AND SUITABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Responsibility for use, storage, handling and disposal of the products described herein is that of the purchaser or end user.