NOVA Chemicals
Polyethylene

Product Data Sheet

NOVAPOL® LA-0522-A Resin

Homopolymer LDPE Extrusion Resin

Property	ASTM (1)	Typical Values (2)			
Melt Index(3)	D 1238	4.5	g/10 min		
Density	D 792	0.920	g/cm³		
		METRIC UNITS		ENGLISH UNITS	
Coating Properties					
Minimum Coating Weight(5)	T 539	8.0	g/m²	5.0	lb/ream
Drawdown Speed(4)		8.1	m/s	1,590	ft/min
Neck-in @ 1 000 ft/min(4,6)		5.1	cm	2.0	in
Heat Seal Strength(5,7)	T 517	1,400	g/25 mm	3.0	lb/in
Hot Tack Strength(4,7)		450	g/50 mm	1.0	lb/2 in
MVTR(7)	F 1249	17	g/m²/day	1.1	g/100 in²/day
Coating Properties					
1% Flexural Secant Modulus	D 790	276	MPa	40,000	psi
Yield Strength	D 638	9.4	MPa	1,400	psi
Elongation	D 638	650	%		

(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) NOVA Chemicals test method.

(5) TAPPI test method.

(6) Neck-in reported is the total of both sides.

(7) Moisture Vapour Transmission Rate, 38°C (100°F), 90% RH on 30 lb Kraft paper samples with a LDPE coating weight of 15 lb/ream.

Melt Index	4.5
Density	0.920
Slip	None
Antiblock	None

Features

- Excellent sealability
- High drawdown
- High adhesion
- Good foam processing window
- Maintains foam dimensional stability
- Achieves packaging foam density

Additives

- Base resin

Applications

- Paperboard containers
- Woven fabrics
- Lumber wrap
- Foam plank
- Foam sheeting
- Blending resin

Product Data Sheet

NOVA Chemicals Polyethylene

NOVAPOL LA-0522-A Resin

Homopolymer LDPE Extrusion Resin

Availability

NOVAPOL LA-0522-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-0522-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-0522-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.

The NOVA Chemicals logo 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.

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.