NOVA Chemicals®

polyethylene

product data sheet

NOVAPOL® LF-0422-F Resin

Homopolymer LDPE Developmental Clarity Film Resin

Property	ASTM	Typical Values
Melt Index[3]	D 1238	4.2 g/10 min
Density	D 792	0.922 g/cm³

			METRIC UNITS		ENGLISH UNITS	
Film Properties[4]						
Thickness			38	µm	1.5	mil
Tear Strength	MD	D 1922	324	g		
	TD		321	g		
Tensile Strength	MD	D 882	18.9	MPa	2,700	psi
	TD		11.9	MPa	1,700	psi
Yield Strength	MD	D 882	10.3	MPa	1,500	psi
	TD		9.4	MPa	1,400	psi
Elongation	MD	D 882	292	%	292	%
	TD		534	%	534	%
1% Secant Modulus	MD	D 882	142	MPa	20,600	psi
	TD		171	MPa	24,800	psi
Haze		D 1003	2.6	%	2.6	%
Gloss @ 45°		D 2457	89		89	
Coefficient of Friction		D 1894	0.26		0.26	

(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 generated by cast film extrusion process.

Melt Index	4.2
Density	0.922
Slip	None
Antiblock	None

Features

- High optical clarity
- Excellent processability

Applications

- Produce, bakery film, food packaging
- General packaging requiring high clarity cast film
- Multi-layer co-extrusion
- Blendable carrier resin

PRODUCT DATA SHEET

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Availability

NOVAPOL LF-0422-F 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 LF-0422-F 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 Material Safety Data Sheet (MSDS) 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

For regulatory compliance information, 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.

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