NOVA Chemicals
Polyethylene

Product Data Sheet

NOVAPOL® PI-2024-A Resin

Butene Copolymer LLDPE Injection Molding and Masterbatch Resin

Property	ASTM (1)	Typical Values (2)	
Melt Index(3)	D 1238	20 g/10 min	
Density	D 792	0.924 g/cm³	
		METRIC UNITS	ENGLISH UNITS
Melting Point (DSC)	(4)	122 °C	252 °F
Physical Properties(5,6)			
Yield Strength	D 638	13 MPa	1,900 psi
Tensile Strength	D 638	9 MPa	1,300 psi
Elongation at Yield	D 638	12 %	12 %
Elongation	D 638	200 %	200 %
1% Flexural Secant Modulus	D 790	415 MPa	60,200 psi
Hardness, Shore D	D 2240	55	55
Vicat Softening Point	D 1525	91 °C	196 °F

(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) Physical properties measured on compression molded specimens.

(6) Tensile testing conducted at 2 in/min.

Melt Index	20
Density	0.924

Features

- Excellent processability
- Excellent lot-to-lot consistency
- Does not contain any Kosher-offending constituent substances

Additives

- Processing antioxidant

Applications

- Great for fitments, industrial and specialty caps
- Carrier resin for masterbatches and colour concentrates

Manufacturer website: https://www.novachem.com/

Product Data Sheet

NOVA Chemicals® Polyethylene

NOVAPOL PI-2024-A Resin

Butene Copolymer LLDPE Injection Molding and Masterbatch Resin

Availability

NOVAPOL PI-2024-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 PI-2024-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 PI-2024-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) 3.2a, and may thus be used in the United States as an article or component of an article intended for use in contact with food, without food-type restrictions, under Conditions of Use A–H (21 CFR 176.170(c) Table 2).

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.

October 2, 2025