

Octene Copolymer sLLDPE Film Resin

FPs317-A

Melt Index 4.0

Density 0.917

Features

- Exceptional puncture resistance
- Very good tear properties
- Low gel level
- Excellent optical properties
- Excellent elongation characteristics

Additives

- High temperature AO

Applications

- Cast stretch wrap
- Co-extrusion and lamination

Properties		ASTM ⁽¹⁾	Units	Typical Values ⁽²⁾
Melt Index⁽³⁾		D 1238	g/10 min	4.0
Density		D 792	g/cm ³	0.917
Film Properties⁽⁴⁾				
Thickness			µm (mil)	20 (0.8)
Tear Strength	MD	D 1922	g	375
	TD		g	535
Low Friction Puncture⁽⁵⁾			J/mm (in-lb/mil)	83 (19)
Tensile Strength	MD	D 882	MPa (psi)	32 (4 640)
	TD		MPa (psi)	25 (3 630)
Yield Strength	MD	D 882	MPa (psi)	7.5 (1 090)
	TD		MPa (psi)	7.0 (1 020)
Elongation	MD	D 882	%	470
	TD		%	780
1% Secant Modulus	MD	D 882	MPa (psi)	100 (14 500)
	TD		MPa (psi)	120 (17 400)
Ultimate Elongation⁽⁵⁾			%	360
Haze		D 1003	%	0.8
Gloss @ 45°		D 2457	--	85

(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 cast film extruded at a melt temperature of 500°F, and a line speed of 800 ft/min.

(5) NOVA Chemicals test method (highlight instrumented stretch wrapper).

FPs317-A-sLLDPE

SURPASS®

Availability

SURPASS 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

FPs317-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

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

Food Packaging Status

United States: FPs317-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) 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 temperature or food-type restrictions, subject to technical suitability.

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 and linear low density polyethylene to identify material type for sorting and recycling purposes.

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