

Product Summary Sheet

Grade	Additive Package	End-Use Application	Properties		Film Properties ⁽²⁾					
			Melt Index ⁽¹⁾	Density	Thickness	Dart Drop Impact	Low Friction Puncture ⁽⁴⁾	Tear Strength		
			D 1238 g/10 min	D 792 g/cm ³	um (mil)	D 1709/A g	J/mm (in-lb/mil)	D 1922 g	TD D 1922 g	
SURPASS FPs016-C Octene sLLDPE Blown Film	AO, PPA	Outstanding melt strength, superior toughness with excellent tear strength, excellent seal properties, low gel	0.65	0.916	25 (1.0)	700	98 (22)	350	430	
	FPs117 Series AO, PPA	Lamination film, coextruded sealant layer, high toughness film, heavy duty sacks	1.0	0.917	25 (1.0)	400	79 (18)	300	450	
SURPASS HPs900-C Premium Octene sLLDPE Blown Film	AO, PPA	High clarity applications, lamination film, coextruded sealant layer, high toughness film	1.0	0.917	25 (1.0)	460	84 (19)	280	445	
SURPASS FPs317-A ⁽⁶⁾ Octene sLLDPE Cast Film	AO	Cast stretch wrap, coextrusion and lamination	4.0	0.917	20 (0.8)	--	83 (19)	375	535	

(1) Condition 190/2.16.

(2) Film properties are typical of blown film extruded on a 2.5" extruder with 4" die and 35-mil die gap at a blow up ratio of 2.5:1, but are dependant upon operating conditions.

(3) Film properties are typical of cast film extruded at a melt temperature of 500°F, and a line speed of 800 ft/min.

(4) NOVA Chemicals test method.

(5) Seal initiation temperature is the temperature at which a 2-mil film achieves a hot tack force of 4.4N/13mm.

(6) Tested at 0.5s dwell, 0.27 N/mm² bar pressure, 305mm/min. pull speed.

(7) Typical values obtained with LLDPE/LDPE blends. Intended as guides only; not to be construed as specifications.

Additive Package Coding

AB	Antiblock
AO	Antioxidant
PPA	Polymer Process Aid
S	Slip

Grade	Tensile Strength		Yield Strength		Elongation		1% Secant Modulus		Haze ⁽⁷⁾		Gloss @ 45° ⁽⁷⁾		Seal Initiation Temperature ^(4,5,6)
	MD	TD	MD	TD	MD	TD	MD	TD	D 1003		D 2457		
	D 882	D 882	D 882	D 882	D 882	D 882	D 882	D 882	100%LLDPE	LDPE blend	100% LLDPE	LDPE blend	
	MPa (psi)	MPa (psi)	MPa (psi)	MPa (psi)	%	%	MPa (psi)	MPa (psi)	%	%			°C (°F)
SURPASS FPs016-C Octene sLLDPE Blown Film													
	47 (6 820)	44 (6 380)	8.5 (1 230)	8.5 (1 230)	470	780	126 (18 270)	138 (20 020)	15	7	38	72	100 (212)
FPs117 Series	46 (6 670)	42 (6 090)	9 (1 310)	9 (1 310)	540	760	126 (18 270)	132 (19 140)	16	7	37	72	100 (212)
SURPASS HPs900-C Premium Octene sLLDPE Blown Film	49 (7 110)	43 (6 240)	9 (1 310)	9 (1 310)	520	750	135 (19 580)	155 (22 480)	4	--	79	--	100 (212)
SURPASS FPs317-A ⁽³⁾ Octene sLLDPE Cast Film	32 (4 640)	25 (3 630)	7.5 (1 090)	7.0 (1 020)	470	780	100 (14 500)	120 (17 400)	0.8	--	85	--	--

(1) Condition 190/2.16.

(2) Film properties are typical of blown film extruded on a 2.5" extruder with 4" die and 35-mil die gap at a blow up ratio of 2.5:1, but are dependant upon operating conditions.

(3) Film properties are typical of cast film extruded at a melt temperature of 500°F, and a line speed of 800 ft/min.

(4) NOVA Chemicals test method.

(5) Seal initiation temperature is the temperature at which a 2-mil film achieves a hot tack force of 4.4N/13mm.

(6) Tested at 0.5s dwell, 0.27 N/mm² bar pressure, 305mm/min. pull speed.

(7) Typical values obtained with LLDPE/LDPE blends. Intended as guides only; not to be construed as specifications.

 NOVA Chemicals® is a registered trademark of NOVA Brands Ltd.; authorized use.

SURPASS® is a registered trademark of NOVA Chemicals Corporation in Canada and of NOVA Chemicals (International) S.A. elsewhere.

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 OR 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.

www.novachemicals.com

U.S. Operating Center

NOVA Chemicals Inc.
1550 Coraopolis Heights Road
Moon Township, PA 15108
United States of America

Phone 412.490.4000
Toll Free 800.222.7213
Fax 412.494.4861

Headquarters

NOVA Chemicals Corporation
1000 Seventh Avenue S.W.
P.O. Box 2518, Station M
Calgary, Alberta
Canada T2P 5C6

Phone 403.750.3600
Fax 403.269.7410

Technical Center

NOVA Chemicals
Technical Center
3620 – 32 Street N.E.
Calgary, Alberta
Canada T1Y 6G7

Phone 403.291.8444
Fax 403.291.0493

European

Operating Center

NOVA Chemicals
(International) S.A.
Avenue de la Gare 14
1700 Fribourg
Switzerland

Phone 41.26.426.57.57
Fax 41.26.426.57.70