

Foam

Product Summary Sheet

polyethylene

Grade	Properties			Blown Film ⁽¹⁾								
	Melt Index ⁽²⁾	Density	Melt Strength ⁽³⁾	Thickness	Dart Drop Impact	Puncture ⁽³⁾	Tear Strength MD	Tear Strength TD	Tensile Strength MD	Tensile Strength TD	Yield Strength MD	Yield Strength TD
Units	D 1238	D 792			D 1709/A		D 1922	D 1922	D 882	D 882	D 882	D 882
		g/cm ³	g/3 min	um (mil)	g	J/mm (in-lb/mil)	g	g	MPa (psi)	MPa (psi)	MPa (psi)	MPa (psi)
NOVAPOL LA-0219-A	2.3	0.9190	0.50	38 (1.5)	90	45 (10)	225	150	18 (2600)	16 (2300)	10 (1450)	9 (1300)
NOVAPOL LA-0224-A	2.3	0.9230	0.40	38 (1.5)	90	43.2 (9.6)	400	119	27.2 (3950)	17.8 (2600)	11.2 (1600)	12 (1750)
NOVAPOL PF-0218-F	2.0	0.9180	0.10	38 (1.5)	112.5	33 (7)	135	405	30 (4300)	25 (3600)	10 (1450)	9 (1300)

(1) Film properties are typically blown film extruded at blow up ratio of 2.5:1, but are dependent upon operating conditions.

(2) Condition 190/2.16.

(3) NOVA Chemicals test method.

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Grade	Blown Film ⁽¹⁾						Plaques		
	Elongation	Elongation	1% Secant Modulus	1% Secant Modulus	Haze	Gloss @ 45°	1% Flexural Modulus	Yield Strength	Elongation
	MD D 882	TD D 882	MD D 882	TD D 882	D 1003	D 2457	D 790	D 638	D 638
ASTM									
Units	%	%	MPa (psi)	MPa (psi)	%		MPa (psi)	MPa (psi)	%
NOVAPOL LA-0219-A	350	550	150 (220000)	175 (255000)	12	40	296 (43000)	8.8 (1300)	712
NOVAPOL LA-0224-A	186	513	193 (28000)	258 (37500)	9.9	49.3	310 (45000)	10.3 (1500)	600
NOVAPOL PF-0218-F	690	740	180 (260000)	200 (29000)	14	50	304 (44000)	9.8 (1400)	959

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(2) Condition 190/2.16.

(3) NOVA Chemicals test method.

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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

Canadian Sales Office

NOVA Chemicals Corporation
Suite 200
6711 Mississauga, Ontario
Canada L5N 2W3

Phone 905.542.3338
Toll Free 800.268.2507
Fax 905.542.8075

International Commercial Center

NOVA Chemicals
(International) S.A.
Avenue de la Gare 12
1700 Fribourg
Switzerland

Phone 41.26.426.56.56
Fax 41.26.426.56.57

Technical Center

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

Phone 403.291.8444
Fax 403.291.0493

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