

SCLAIR® Performance Film

Product Summary Sheet

polyethylene

Grade	Additive Package	End-Use Application	Melt Index ⁽¹⁾	Properties		Film Properties ⁽²⁾		Tear Strength	
				Density	Thickness	Dart Drop Impact	Low Friction Puncture ⁽⁴⁾	MD	TD
				D 1238 g/10 min	D 792 g/cm ³	um (mil)	D 1709/A g	J/mm (in-lb/mil)	D 1922 g
SCLAIR Octene LLDPE	FG220-A ⁽³⁾ FP026-F	AO PS, AB, PPA	2.3 0.8	0.920 0.926	20 (0.8) 25 (1.0) 75 (3.0)	190 156 453	80 (18) 25 (5.7) 20 (4.5)	290 295 1 080	650 752 1 467
	FP120-A	PS	1.0	0.920	25 (1.0)	337	56 (12)	400	710
	FP120-B	PS, S, AB	1.0	0.920	25 (1.0)	303	29 (6)	390	740
	FP120-C	PS, PPA	1.0	0.920	25 (1.0)	270	65 (15)	460	620
	FP120-D	PS, S, AB, PPA	1.0	0.920	25 (1.0)	270	36 (8)	420	605
	FP120-F	PS, AB, PPA	1.0	0.920	25 (1.0) 75 (3.0)	271 675	31 (7) 28 (6)	363 647	631 1 496
SCLAIR Octene VLDPE	FP112-A	PS	0.9	0.912	51 (2.0)	>1 000	62 (14)	710	1 010

(1) Condition 190/2.16.

(2) Film properties are typical of blown film extruded at a blowup ratio of 2.5:1 and a die gap of 35-mil, but are dependent upon operating conditions.

(3) Film properties are typical of cast film.

(4) NOVA Chemicals test method.

Additive Package Coding

AB	Antiblock
S	Slip
PS	Process Stabilizer
PPA	Polymer Process Aid

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Grade	Tensile Strength		Yield Strength		Elongation		1% Secant Modulus		Haze	Gloss @ 45° D 2457	Coefficient of Friction D 1894	
	MD	TD	MD	TD	MD	TD	MD	TD				
	D 882 MPa (psi)	D 882 MPa (psi)	D 882 MPa (psi)	D 882 MPa (psi)	D 882 %	D 882 %	D 882 MPa (psi)	D 882 MPa (psi)				
SCLAIR Octene LLDPE	FG220-A	33 (4 790)	25 (3 630)	8.9 (1 290)	8.4 (1 220)	435	760	140 (20 310)	160 (23 210)	2	85	--
	FP026-F	42.5 (6 160) 41.2 (5 970)	33.1 (4 800) 35.2 (5 100)	11.2 (1 620) 12.3 (1 780)	12.2 (1 770) 12.2 (1 770)	490 630	710 680	234 (33 940) 230 (33 360)	251 (36 400) 260 (37 700)	13.9 16.6	50 61	-- --
	FP120-A	47 (6 815)	44 (6 380)	10 (1 450)	10 (1 450)	430	805	185 (26 825)	205 (29 725)	14	45	--
	FP120-B	50 (7 250)	41 (5 945)	10 (1 450)	10 (1 450)	440	740	180 (26 100)	195 (28 275)	15	47	--
	FP120-C	45 (6 525)	38 (5 510)	10 (1 450)	10 (1 450)	470	700	180 (26 100)	205 (29 725)	7	65	--
	FP120-D	48 (6 960)	32 (4 640)	10 (1 450)	10 (1 450)	480	670	175 (25 375)	195 (28 275)	10	59	--
	FP120-F	45 (6 525)	41 (5 945)	11 (1 596)	10 (1 450)	746	827	162 (23 500)	177 (25 700)	14	67	--
SCLAIR Octene VLDPE	FP112-A	49 (7 110)	54 (7 830)	7.4 (1 070)	7.4 (1 070)	640	890	114 (16 530)	123 (17 840)	8.7	63	--

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(4) NOVA Chemicals test method.

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