

Grade	Additive Package	End-Use Application	Melt Index ⁽¹⁾	Properties		Film Properties ⁽²⁾		Tear Strength	
				Density	Thickness	Dart Drop Impact	Low Friction Puncture	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	D 1922 g
SCLAIR 14G Butene MDPE	PS, PPA	Overwrap film	0.72	0.936	38 (1.5)	62	24 (5.3)	40	130
SCLAIR 15A HDPE	High PS	Lamination, co-extrusion	0.33	0.942	38 (1.5)	50	28 (6) ⁽⁴⁾	23	990
	PS	Co-extrusion, blending	0.72	0.962	38 (1.5)	34	23 (5) ⁽⁴⁾	21	472
	PS, PPA	Barrier films, co-extrusion, dry food packaging, blending	0.95	0.958	38 (1.5)	44	20 (4) ⁽⁴⁾	26	711
	PS	Barrier films, co-extrusion, dry food packaging	1.2	0.960	38 (1.5)	29	19 (4) ⁽⁴⁾	24	450
	PS	Co-extrusion, blending	0.38	0.960	38 (1.5)	—	30 (7) ⁽⁴⁾	18	1800

(1) Condition 190/2.16.

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

(3) Film properties are typical of cast film.

(4) Low Friction Puncture test, NOVA Chemicals test method.

Note: Resins with a process aid package are processed with a narrow die gap (35 – 50 mils).

Additive Package Coding

S Slip

PS Process Stabilizer

PPA Polymer Process Aid

Grade	Tensile Strength		Yield Strength		Elongation		1% Secant Modulus		Haze D 1003 %	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 Butene MDPE	14G	34 (4900)	29 (4200)	17 (2500)	17 (2500)	600	900	390 (56000)	520 (75000)	—	—	0.24
SCLAIR HDPE	15A	54 (7800)	39 (5660)	21 (3000)	22 (3200)	430	900	510 (74000)	690 (100000)	—	—	0.26
	19A	39 (5660)	22 (3200)	27 (3920)	22 (3200)	—	—	830 (120380)	1330 (192900)	78	5	—
	19C	42 (6090)	40 (5800)	25 (3630)	27 (3920)	560	890	840 (121830)	1180 (171140)	36	23	—
	19G	38 (5510)	23 (3340)	25 (3630)	23 (3340)	—	—	840 (121830)	1270 (184200)	41	14	—
	19H	53 (7690)	23 (3340)	26 (3770)	23 (3340)	—	—	830 (120380)	1330 (192900)	81	5	—

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Note: Resins with a process aid package are processed with a narrow die gap (35 – 50 mils).

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