

Syfan Sytec 701 Polyolefin Shrink Film Properties						
Property	Method	Units	45G	60G	75G	100G
Haze	ASTM D-1003	[%]	4	3.8	5.2	4
Gloss 45	ASTM D-2459	Gloss Units	89	89	87	90
COF	ASTM D-1894		< 0.25	< 0.25	< 0.2	< 0.25
Shrinkage MD/TD	120 °C Oil Bath	[%]	80/77	73/68	77/77	70/70
Tear Resistance MD/TD	Elmendorf	gr/25μ	22/20	45/30	30/25	30/30
Ultimate Tensile Strength MD/TD	ASTM D-882	PSI	15000/ 17000	15200/ 13000	13000/ 14500	15000/ 15000
Elongation MD/TD	ASTM D-882	[%]	90/130	120/140	125/120	145/130
MVTR	ASTM E-96	g/100in <sup>2</sup> /24hr 1atm@99°F	2.1	1.6	1.3	0.96
OTR	ASTM D-3985	cc/m <sup>2</sup> /24hr 1atm@77°F	10100	7600	6100	4600
CO <sub>2</sub>	Gas Chromatograph	cc/100in <sup>2</sup> /24hr 1atm@77°F	2600	2015	1600	1200

Property	Method	Units	125G	150G	200G	300G
Haze	ASTM D-1003	[%]	3.6	3.8	4.2	5
Gloss 45	ASTM D-2459	Gloss Units	88	88	87	87
COF	ASTM D-1894		< 0.2	< 0.2	< 0.2	< 0.2
Shrinkage MD/TD	120 °C Oil Bath	[%]	76/75	76/75	72/72	69/71

Tear Resistance MD/TD	Elmendorf	gr/25 $\mu$	35/30	45/35	45/40	50/45
Ultimate Tensile Strength MD/TD	ASTM D-882	N/mm <sup>2</sup>	100/100	105/100	100/100	95/95
Elongation MD/TD	ASTM D-882	[%]	160/140	170/150	180/160	200/170
MVTR	ASTM E-96	gr/m <sup>2</sup> /24hr@ 90%RH 37°C	10.5	9	7	4.5
OTR	ASTM D-3985	cc/m <sup>2</sup> /24hr 1atm@25°C	3600	3000	1700	1500
CO <sub>2</sub>	Gas Chromatograph	cc/m <sup>2</sup> /24hr 1atm@25°C	14600	12300	9300	6100

Gauge		45 G	60G	75G	100G
Yield	in <sup>2</sup> /lb	67555	51000	40100	30400
Roll Length	SW/ft	11660	8750	7000	5250
	CF/ft	5830	4375	3500	2625
Nominal Thickness/Microns		11.2	15	19	25
Yield	m <sup>2</sup> /kg	95	72	57	43
Roll Length	SW/m	3560	2650	2134	1600
	CF/m	1780	1325	1067	800