



## TYPICAL PROPERTIES OF 1000 Clear Polystyrene Film

Property	Unit	Typical Values				Test Method
Thickness	micron	31	38	51	102	ASTM D 6988
	mil	1.25	1.50	2.00	4.00	
Yield	in <sup>2</sup> /Lb	21,099	17,573	13,180	6,594	ASTM D4321
Unit Weight	g/m <sup>2</sup>	33.3	40.01	53.35	106.69	
Haze	%	1.50	1.75	2.0	2.8	ASTM D589
Gloss 60°	%	150	155	160	170	ASTM D2457
Tensile Strength at Break	MD - Lb/in <sup>2</sup>	11,500	11,500	11,000	9,500	ASTM D882
	TD - Lb/in <sup>2</sup>	12,500	12,000	11,500	10,000	
Elongation at Break	%	3 to 5	3 to 5	3 to 5	3 to 5	ASTM D882
WVTR (38°C 100% RH)	g/100 in <sup>2</sup> / day	6.4	5.0	4.0	2.0	ASTM F1249
OTR (1bar 23°C 0%RH)	cc/100 in <sup>2</sup> /day	4,000	3,800	2,500	1,200	ASTM D3985
COF	No Units	0.4	0.4	0.4	0.4	ASTM D1894
Surface Energy	Dynes/cm	Untreated Natural approx. 34-36	Untreated Natural approx. 34-36	Treated One Side 45	Treated One Side 45	ASTM D2578

*The information herein is, to the best of our knowledge, true, and accurate. However, since conditions of use are beyond our control, all recommendations or suggestions are presented without guarantee or responsibility on our part. No warranty is made or implied.*

**FOR MORE INFORMATION CONTACT OUR SALES DEPARTMENT AT 800-848-6982**

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