

**TYPICAL PROPERTIES OF
1000 Clear Polystyrene Film**

A crystal clear, biaxially oriented polystyrene that is dimensionally stable, contains no plasticizers, will not absorb moisture, and allows water vapor and gasses to pass through easily. A high gloss, stiff, stable film that will not wrinkle or pucker. Excellent for printing.

Properties	Units	Typical Values					Test Method	
		1.25	1.50	2.00	4.00	7.00		
Thickness	mil	1.25	1.50	2.00	4.00	7.00	ASTM D6988	
	µm	31	38	51	102	175		
Yield	in ² /lb	21,090	17,574	13,181	6,590	3,766	ASTM D4321	
	m ² /kg	30.009	24.994	18.746	9.379	5.358		
Basis Weight	g/m ²	33.3	40.01	53.35	106.69	114.68	—	
Haze	%	1.50	1.75	2.0	2.8	5.0	ASTM D589	
Gloss @60°F(15.5°C)	%	150	155	160	170	140-180	ASTM D2457	
Tensile Strength	MD TD	lb/in ²	11,500	11,500	11,000	9,500	9,800	ASTM D882
			12,500	12,000	11,500	10,000	9,800	
Elongation at Break	%	3 to 5	3 to 5	3 to 5	3 to 5	5.5 to 6	ASTM D882	
COF	—	0.4	0.4	0.4	0.4	0.4	ASTM D1894	
Surface Energy	dyne/cm	Untreated Natural ≈ 34-36	Untreated Natural ≈ 34-36	1-Side Treated 45	1-Side Treated 45	1-Side Treated 45	ASTM D2578	

Thickness & Yields may vary by +/- 10%

All data represents typical values by the methods indicated and should be considered so. 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.