



## TYPICAL PROPERTIES OF 7000 Clear Acetate Film

A biodegradable cast cellulose film with excellent clarity, scratch, age-brittleness and yellowing resistance. Excellent dimensional stability. Popular for use with printing, foil stamping, tamper-resistant and graphic arts applications as it has a naturally high surface energy. Gas permeable, making it a popular choice where breathability is required.

Properties		Units	Typical Values				Test Method
Thickness		gauge µm	95 24	118 30	197 50	295 75	ASTM D6988
Finish		—	gloss/gloss				—
Specific Gravity		—	1.32				Internal
Equilibrium Moisture Content (23°C,50%RH)		%	Circa 2%				Internal
Surface Energy		dyne/cm <sup>-1</sup>	38-42				ASTM D2578
Yield		in <sup>2</sup> /lb m <sup>2</sup> /kg	22,421 31.57	18,051 25.25	10,812 15.15	7,220 10.10	ASTM D4321
Transparency		%	92.7	92.4	91.4	91.5	ASTM D1746
Gloss	20°	%	137.0	136.3	138.3	136.9	ASTM D523 BS2782 520A
	60°	%	145.6	146.5	146.1	144.7	
	85°	%	122.4	120.4	119.8	122.2	
Haze		%	0.7	0.8	1.5	2.4	ASTM D1003 BS2782 521A
Refractive Index		—	1.485				Internal
Tensile Strength		MD psi	11600 – 15950				ASTM D882
Elongation at Break		MD %	25-45				ASTM D882
E-Modulus		psi	362600				ASTM D882
Tear Initiation		MD lbs	0.021		—		ASTM D1938
Tear Propagation		MD lbs	0.015		—		ASTM D1938
Moisture Vapor Transmission							
MVTR (25°C,100% RH)		gm <sup>-2</sup> day <sup>-1</sup>	1279	1065	580	443	ASTM D1249
MVTR (38°C,100% RH)		gm <sup>-2</sup> day <sup>-1</sup>	1890	1708	954	761	
Food Contact Approved		—	Yes	Yes	Yes	Yes	—
Din Certco EN 13432 Certified		—	Yes	Yes	Yes	Yes	ASTM D6400
TUV OK Home Compost TA8021501208		—	Yes	Yes	Yes	Yes	—

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.