

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	95	118	197	295	ASTM D6988
		µm	24	30	50	75	
Finish		—	gloss/gloss				—
Specific Gravity		—	1.32				Internal
Equilibrium Moisture Content (23°C,50%RH)		%	Circa 2%				Internal
Surface Energy		dyne/cm ⁻¹	38-42				ASTM D2578
Yield		in ² /lb	22,421	18,051	10,812	7,220	ASTM D4321
		m ² /kg	31.57	25.25	15.15	10.10	
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 ² day ⁻¹	1279	1065	580	443	ASTM D1249
MVTR (38°C,100% RH)		gm ² day ⁻¹	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.