



► Series 3420 Overlaminates

Premium Calendered Overlamine Pressure-Sensitive Film Series 3420 Gloss, Satin, and Matte Finishes

Series 3420 is constructed of 3-mil (75 micron) calendered vinyl film with clear, permanent pressure-sensitive adhesive. Designed to protect and prolong the life of printed images, Series 3420 is made of polymeric face stock and available in gloss, satin, and matte finishes. Series 3420 is rated for outdoor durability up to 5 years.

APPLICATIONS & FEATURES

- Protective overlamine for all promotional, intermediate and industrial, calendered products.
- Shorter term signage, kiosks and POP displays.
- UV inhibitors to protect and extend the life of your printed graphic.

PERFORMANCE & PHYSICAL DATA

PROPERTY	TEST METHODS	TYPICAL VALUE	
SURFACE FINISH	Gloss Meter 60° Reflection	80% to 90% (Gloss)	
		35% to 45% (Satin)	
		5% to 10% (Matte)	
THICKNESS	Micrometer, Federal Bench Type	3-mil (75 micron)	
TENSILE STRENGTH	Tensile Tester with 2-in (51 mm) jaw separation; crosshead speed of 12 in/min. (5.1 mm/s), web direction	10 lb/in width	1.8 kg/cm width
ELONGATION	Instron Tensile Tester as above	≥ 130%	
SHELF LIFE	Free from excessive moisture, temperature, direct sunlight	1 year from factory shipment	
APPLICATION TEMPERATURE RANGE	On clean, dry substrate	40°F to 100°F optimum	4.4°C to 38°C optimum
SERVICE TEMPERATURE RANGE	On clean, dry substrate	-20°F to 150°F	-29°C to 65°C
HUMIDITY RESISTANCE	Film applied to etched aluminum panels 24 hours prior to testing. 100% relative humidity, 100°F (38°C) for 500 hours	No appreciable effect	
GASOLINE RESISTANCE	Film applied to etched aluminum panels 24 hours prior to testing. Immersed 30 minutes at 70°F (21°C), stabilized 24 hours before inspection	No appreciable effect	

PERFORMANCE & PHYSICAL DATA (cont'd)

PROPERTY	TEST METHODS	TYPICAL VALUE	
DIMENSIONAL STABILITY	158°F (70°C), 48 hours	20-mils	0.51 mm
PEEL ADHESION	PSTC-1, 15 min, RT 70°F (21°C)	2.5 lbs/in	0.45 kg/cm
LINER RELEASE	TLMI Release at 90°, 300 in/min (760 cm/min)	120 g/2 in width	47 g/cm width

**Standard Terms & Conditions Apply*

OPTIMUM PERFORMANCE

Actual weathering durability depends on surface preparation, surface maintenance and exposure conditions. Successful weather resistance is characterized by the retention of legibility.




Series 3420 will resist weathering best when applied to vertical or upper outboard angles. Horizontal angles, such as hood and auto roof surfaces, will deteriorate more quickly than vertical. This is due to increased exposure to sun and moisture, as well as continued high deposition of dirt and atmospheric contaminants. Arlon does not recommend its film for horizontal or close horizontal applications.







TERMS & CONDITIONS

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