

# 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 overlaminate for all promotional, intermediate and industrial, calendered products.
- Shorter term signage, kiosks and POP displays.

## PERFORMANCE & PHYSICAL DATA

PROPERTY	TEST METHODS	TYPICAL VALUE	
<b>SURFACE FINISH</b>	Gloss Meter 60° Reflection	80-90% (Gloss) 40-60% (Satin) 5-10% (Matte)	
<b>THICKNESS</b>	Micrometer, Federal Bench Type	3-mil (75 micron)	
<b>TENSILE STRENGTH</b>	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
<b>ELONGATION</b>	Instron Tensile Tester as above	≥ 130%	
<b>SHELF LIFE</b>	Free from excessive moisture, temperature, direct sunlight	1 year from factory shipment	
<b>APPLICATION TEMPERATURE RANGE</b>	On clean, dry substrate	40°F to 100°F optimum	4.4°C to 38°C optimum
<b>SERVICE TEMPERATURE RANGE</b>	On clean, dry substrate	-20°F to 150°F	-29°C to 65°C
<b>HUMIDITY RESISTANCE</b>	Film applied to etched aluminum panels 24 hours prior to testing. 100% relative humidity, 100°F (38°C) for 500 hours	No appreciable effect	
<b>GASOLINE RESISTANCE</b>	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	
<b>DIMENSIONAL STABILITY</b>	158°F (70°C), 48 hours	20-mils	0.51 mm
<b>PEEL ADHESION</b>	PSTC-1, 15 min, RT 70°F (21°C)	2.5 lbs/in	0.45 kg/cm
<b>LINER RELEASE</b>	TLMI Release at 90°, 300 in/min (760 cm/min)	120 g/2 in width	47 g/cm width

\*Standard Terms & Conditions Apply

Effective Date 05/12

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## **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**

*The following is made in lieu of all warranties expressed or implied:*

All statements, technical information and recommendations published by Arlon relating to Arlon products are based on tests believed to be reliable and within the accuracy of the equipment used to obtain the specific values. Their accuracy or completeness is not guaranteed and Arlon makes no warranty with regard thereto. Seller's and manufacturer's only responsibility shall be to replace any quantity of the product proved defective. Seller and manufacturer shall not be liable for injury, loss or damage, direct or consequential, arising out of use or the inability to use the product. Nor shall seller or manufacturer be liable for any costs or expenses incurred in the processing or printing on the product. Before using, user shall determine the suitability of the product for its intended use. User assumes all risk and liability of every nature in connection therewith. No statements or recommendations other than those contained in the technical information published by Arlon shall have force or effect unless contained in an agreement manually signed by the officers of seller and manufacturer.

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