

PRODUCT INFORMATION BULLETIN

Series 3420 Vinyl Film

Premium Calendered Overlamine Pressure Sensitive Film

PRODUCT DESCRIPTION

Series 3420 is constructed of 3-mil calendered vinyl film with clear, permanent pressure-sensitive adhesive. Designed to protect and prolong the life of printed images, Series 3420 is made of 100% polymeric face stock. Series 3420 is rated for outdoor durability up to 5 years.

AREAS OF USE

- Protective Overlamine for DPF 600, DPF 2000, DPF 4000, DPF 4500G, DPF 4560GT, DPF 5000, DPF 8000, DPF 9000, 22T, 52P, 72A, 87V, 98P
- Long-term signage, kiosks, POP displays, fleet and vehicle applications
- Series 3420: Satin finish

PERFORMANCE AND PHYSICAL DATA

<u>PROPERTY</u>	<u>TEST METHODS</u>	<u>TYPICAL VALUE</u>	
SURFACE FINISH	Gloss Meter 60° Reflection	40-60%	
THICKNESS (including adhesive)	Micrometer, Federal Bench Type	0.0042 in	0.11 mm
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
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 and Conditions Apply

Effective 1999
Revision:07/2005

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.

HEAT & CHEMICAL CHARACTERISTICS

<u>PROPERTY</u>	<u>TEST METHOD</u>	<u>TYPICAL VALUE</u>
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

CONDITIONS OF SALE

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

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