

PRODUCT INFORMATION BULLETIN

Series 3320 Vinyl Film

Ultra PVF Overlamine Pressure Sensitive Film

PRODUCT DESCRIPTION

Series 3320 is constructed of 1-mil Tedlar® polyvinyl fluoride film with clear, permanent pressure-sensitive adhesive. Other than protecting and prolonging the life of printed images, Series 3320 is designed as an anti-graffiti overlaminate. Series 3320 is rated for outdoor durability up to 10 years.

AREAS OF USE

- Protective Overlamine for most DPF and screenprint films
- Long-term signage, kiosks, POP displays
- Safety signs, nameplates, and diecut letters and numbers
- Fleet and vehicle applications (flat surfaces only), farm and construction equipment markings, automotive striping and model identification, decorations for railway car, bus, boat and recreational vehicles

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	0.0020 in	0.05 mm
TENSILE STRENGTH	Tensile Tester with 2-in (51 mm) jaw separation; crosshead speed of 12 in/min. (5.1 mm/s), web direction	12 lb/in width	2.1 kg/cm width
ELONGATION	Instron Tensile Tester as above	≥ 85%	
SHELF LIFE	Free from excessive moisture, temperature, direct sunlight	3 years 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	-40°F to 200°F	-40°C to 93° C
DIMENSIONAL STABILITY	158°F (70°C), 48 hours	5 mils	0.12 mm
PEEL ADHESION	PSTC-1, 15 min, RT 70°F (21°C)	2.0 lbs/in	0.36 kg/cm
LINER RELEASE	TLMI Release at 90°, 300 in/min (760 cm/min)	30 g/2 in width	12 g/cm width

Standard Terms and Conditions Apply

Effective 2003
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 3320 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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