

PRODUCT INFORMATION BULLETIN

Series 3220 / 3230 Vinyl Film

Premium Cast Overlamine Pressure Sensitive Film

PRODUCT DESCRIPTION

Series 3220 and 3230 are constructed of 2-mil cast vinyl film with clear, permanent pressure-sensitive adhesive. Designed to protect and prolong the life of printed images, Series 3220 and 3230 extend the life of the graphics by 2 years. Series 3220 and 3230 are rated for outdoor durability up to 7 years. This product is not designed to be used as an optically clear window film.

AREAS OF USE

- Protective Overlamine for DPF 6000, DPF 6500, 60P, and 67A
- Long-term signage, kiosks, POP displays, fleet and vehicle applications
- Series 3220: Crystal finish
- Series 3230: Matte finish

PERFORMANCE AND PHYSICAL DATA

<u>PROPERTY</u>	<u>TEST METHODS</u>	<u>TYPICAL VALUE</u>	
SURFACE FINISH	Gloss Meter 60° Reflection	60-90% (crystal) ≤ 10% (matte)	
THICKNESS (including adhesive)	Micrometer, Federal Bench Type	0.0032 in	0.08 mm
TENSILE STRENGTH	Tensile Tester with 2-in (51 mm) jaw separation; crosshead speed of 12 in/min. (5.1 mm/s), web direction	≥ 4.5 lb/in width	≥ 0.8 kg/cm width
ELONGATION	Instron Tensile Tester as above	≥ 150%	
SHELF LIFE	Free from excessive moisture, temperature, direct sunlight	2 years from factory shipment	
APPLICATION TEMPERATURE RANGE	On clean, dry substrate (flat)	40°F to 100°F	4.4°C to 38°C
	On clean, dry substrate (corrugated with rivets and channels)	60°F to 100°F optimum	15°C to 38°C optimum
SERVICE TEMPERATURE RANGE	On clean, dry substrate	-40°F to 175°F	-40°C to 79° C
DIMENSIONAL STABILITY	158°F (70°C), 48 hours	10 mils	0.25 mm
PEEL ADHESION	PSTC-1, 15 min, RT 70°F (21°C)	3.5 lbs/in	0.625 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 2003
Revision:05/2007

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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 3220 / 3230 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:

All statements, technical information and recommendations published by Arlon, Inc. relating to DPF 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, Inc. 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, Inc. shall have force or effect unless contained in an agreement manually signed by the officers of seller and manufacturer.



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