

► Series 3350 PVDF Film

Anti-Graffiti Overlaminates

Series 3350 is a 2-mil (50 microns) PVDF film with clear, permanent pressure-sensitive adhesive. Along with protecting and prolonging the life of printed images, Series 3350 is designed as an anti-graffiti overlaminates. Used as an overlaminates, the outdoor durability is rated up to 10 years vertical exposure. The color fastness of prints can be extended up to 2 years beyond the ink manufacturer's warranty when following print recommendations by the ink and printer manufacturers.

APPLICATIONS & FEATURES




- Long-term signage, kiosks and POP displays
- Safety signs and nameplates
- Fleet and vehicle applications (flat surfaces only), farm and construction equipment markings, automotive striping and model identification and decorations for railway car, bus, boat and recreational vehicles
- Protective overlaminates for most DPF and screenprint films
- UV Inhibitors for improved weathering
- Product Compatibility: Series 3350 is not recommended for overlaminate over flexible substrates
- Arlon overlaminates film is designed to be laminated cold without any heat

PERFORMANCE & PHYSICAL DATA




PROPERTY	TEST METHODS	TYPICAL VALUE
SURFACE FINISH	Gloss Meter 60° Reflection	40 to 60 Gloss Units
THICKNESS	Micrometer, Federal Bench Type	50 microns
TENSILE STRENGTH	Tensile Tester with 2-in (51 mm) jaw separation; crosshead speed of 12 in/min. (5.1 mm/s), web direction	1.8 kg/cm
ELONGATION	Instron Tensile Tester as above	≥ 50%
SHELF LIFE (IN BOX)	Ideal Storage Temperature 70°F (21°C) and 50% relative humidity	2 Year from factory shipment
APPLICATION TEMPERATURE RANGE	On clean, dry substrate	16°C to 32°C optimum
SERVICE TEMPERATURE RANGE	On clean, dry substrate	-40°C to 107°C
DIMENSIONAL STABILITY	158°F (70°C), 48 hours	0.12 mm
PEEL ADHESION	PSTC-1, 15 min, RT 70°F (21°C)	≥ 0.60 kg/cm
LINER RELEASE	TLMI Release at 90°, 300 in/min (760 cm/min)	10 g/cm

Standard Terms & Conditions Apply



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OPTIMUM PERFORMANCE

Series 3350 contains enhanced UV inhibitors in the PVDF formulation. Actual weathering durability depends on surface preparation, surface maintenance and exposure conditions. Successful weather resistance is characterized by the retention of legibility.

Series 3350 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 recommends this film for flat and simple curved permanent surfaces.

Series 3350 is far less flexible than standard vinyl overlaminates. If creased during lamination or shipping it will not smooth out as easily with a heat gun. For this reason it is critical to avoid over stretching vinyl or overlaminate during laminating steps or folding and draping the graphics in such a way as to create a crease in the overlaminate.

The finished graphic may be shipped flat or rolled. In roll form, the finished graphic should face out and should be wrapped around a core of at least five inches (13 cm) interior diameter and of sufficient wall thickness to avoid collapsing or bending during shipment.

Series 3350 can adhere to Solvent, Eco-Solvent, Latex, and UV inks. For best practice on laminating UV inks,

see [Tip 55: What is Silvering?](#)

CLEANING NOTES

Low pressure washing with warm soapy water followed by fresh water rinse; bristle brush and warm water/Simple Green mix and fresh water rinse is also effective.

Extreme caution should be taken so as not to lift any edges of the PVDF during this process. If a stubborn soiled area is encountered, isopropyl alcohol is recommended followed by fresh water rinse. Do not use harsh solvents or caustic cleaners not listed in the table below as they will leave the surface defaced when dry.

Note: Certain permanent markers may contain an additive that can aggressively react and etch into the film, causing a shadow effect. Cleaning will help minimize but not fully remove the marks in some cases.

Acceptable cleaning solutions for general maintenance and products for removing graffiti:

PRODUCT	General Cleaning Solutions	Graffiti Cleaning Solutions
SOAP AND WATER	X	
OVER-THE-COUNTER CLEANERS	X	
90% ISOPROPYL ALCOHOL/ ACETONE		X

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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