

► Series 3310 Overlaminates

Extended Life Overlaminates

Series 3310 is a 38 microns polyurethane film with a clear, permanent pressure-sensitive adhesive. Along with protecting and prolonging the life of printed images, Series 3310 is designed as a multi-purpose extended life overlaminates, recommended for fleet and vehicle applications. Used as an overlaminates, the outdoor durability is rated up to 10 years vertical exposure and up to 4 years horizontal exposure for Zone 1. Zone 2 horizontal exposure is rated up to 3 years. Zone 3 horizontal exposure is rated up to 18 months.

APPLICATIONS & FEATURES

- Protective overlaminates for digitally printed PVC media and flexible substrates
- Protective overlaminates SLX[®]+, SLX[™] Cast Wrap, DPF 6100XLP, DPF 6000XRP, DPF 6000RP White, DPF 6500, and DPF 6700
- Fleet graphics and vehicle applications
- Improved clarity than PVC overlaminates
- Superior conformability
- Increased durability & UV protection to extend the life of your graphic
- 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	80 Gloss Units
THICKNESS	Micrometer, Federal Bench Type	38 microns
TENSILE STRENGTH	Tensile Tester 51 mm jaw separation; crosshead speed of 5.1 mm/s, web direction	3.4 kg/cm
ELONGATION	Instron Tensile Tester as above	400% to 450%
SHELF LIFE (IN BOX)	Ideal storage temperature 21°C	2 years from factory shipment
APPLICATION TEMPERATURE RANGE	On clean, dry substrate	16°C to 32°C
SERVICE TEMPERATURE RANGE	On clean, dry substrate	-40°C to 79°C
DIMENSIONAL STABILITY	70°C, 48 hours	0.12 mm
PEEL ADHESION	PSTC-1, 15min 21°C	0.63 - 0.80 kg/cm
LINER RELEASE	TLMI Release at 90°, 760 cm/min	7.28 g/cm




NOTE: Recommended post-heat surface temperature of vinyl installed: 70°C to 90°C. The recommended post-heat temperature applies to the film and overlaminates wrap. Standard Terms & Conditions Apply.

** Actual ink life varies by ink type and by environment*



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OPTIMUM PERFORMANCE

Series 3310 contains enhanced UV inhibitors in the vinyl formulation. Actual weathering durability depends on surface preparation, surface maintenance and exposure conditions. Successful weather resistance is characterized by the retention of legibility. Series 3310 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. For best practice on laminating to UV inks, see [Tip 55: What is Silvering?](#)

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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