



## ► Series 3310 Overlaminates

### Extended Life Overlaminates

Series 3310 is a 1.5-mil (38 micron) 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. Series 3310 extends the life of the graphics by 3 years\*.

### APPLICATIONS & FEATURES

- Protective overlaminates for digitally printed PVC media and flexible substrates.
- Protective overlaminates for most DPF and screenprint films.
- Fleet graphics and vehicle applications.
- Better/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	
<b>SURFACE FINISH</b>	Gloss Meter 60° Reflection	80 Gloss Units	
<b>THICKNESS</b>	Micrometer, Federal Bench Type	1.5-mil (38 micron)	
<b>TENSILE STRENGTH</b>	Tensile Tester 2-in (51 mm) jaw separation; crosshead speed of 12 in/min. (5.1 mm/s), web direction	19 lb/in	3.4 kg/cm
<b>ELONGATION</b>	Instron Tensile Tester as above	400% to 450%	
<b>SHELF LIFE (IN BOX)</b>	Ideal storage temperature (70°F/21°C)	2 years from factory shipment	
<b>APPLICATION TEMPERATURE RANGE</b>	On clean, dry substrate	60°F to 90°F	16°C to 32°C
<b>SERVICE TEMPERATURE RANGE</b>	On clean, dry substrate	-40°F to 175°F	-40°C to 79°C
<b>DIMENSIONAL STABILITY</b>	158°F (70°C), 48 hours	5-mil	0.12 mm
<b>PEEL ADHESION</b>	PSTC-1, 15min 70°F (21°C)	3.5 - 4.5 lb/in	0.63 - 0.80 kg/cm
<b>LINER RELEASE</b>	TLMI Release at 90°, 300 in/min (760 cm/min)	37 g/2 in	7.28 g/cm

Standard Terms & Conditions Apply  
 \* Actual ink life varies by ink type and by environment.

## 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.







## TERMS & CONDITIONS

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