



## ► Series 3210

### Premium Cast Overlamine Pressure-Sensitive Film in Gloss and Matte Finishes

Series 3210 overlamine is constructed of a 1.3-mil (35 micron) cast vinyl film with clear, permanent pressure-sensitive adhesive. Designed to protect printed images and prolong the life of the printed images. Series 3210 provides the same protection as our standard overlaminates while having excellent conformability during installation with a lighter weight film. The gloss finish provides an extra pop to printed graphics while the matte finish provides. Series 3210 is rated for outdoor durability up to 7 years. This product is not designed to be used as an optically clear window film.

### APPLICATIONS & FEATURES




- Fleet graphics, vehicle applications, long-term signage, kiosks and POP displays
- UV inhibitors to protect and extend the life of your printed graphic
- Arlon overlamine 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 to 90 Gloss Units (Gloss) < 10 Gloss Units (Matte)	
THICKNESS	Micrometer, Federal Bench Type	1.3 mil (35 micron)	
TENSILE STRENGTH	Tensile Tester with 2-in (51 mm) jaw separation; crosshead speed of 12 in/min. (5.1 mm/s), web direction	≥ 6.5 lb/in	≥ 1.2 kg/cm
ELONGATION	Instron Tensile Tester as above	≥ 200%	
SHELF LIFE (IN BOX)	Ideal Storage Temperature 70°F (21°C) and 50% relative humidity	2 years from factory shipment	
APPLICATION TEMPERATURE RANGE	On clean, dry substrate		
	Flat:	40°F to 100°F	4.4°C to 38°C
	Corrugated with rivets & channels:	60°F to 100°F	15°C to 38°C
SERVICE TEMPERATURE RANGE	On clean, dry substrate	-40°F to 175°F	-40°C to 79°C
DIMENSIONAL STABILITY	Shrinkage After 158°F (70°C), 48 hours	< 10-mil	0.25 mm
PEEL ADHESION	PSTC-1, 15 min, 70°F (21°C)	3.0 lbs/in	0.535 kg/cm
LINER RELEASE	TLMI Release at 90°, 300 in/min (760 cm/min)	37 g/2in	7.28 g/cm

Standard Terms & Conditions Apply



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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 3210 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.




For best practice on laminating UV inks, see [Tip #55: What is Silvering?](#)


## TERMS & CONDITIONS

The warranties offered in Arlon's Standard Terms and Conditions, which are incorporated in full by this reference and are available at [https://www.arlon.com/na\\_en/legal/terms-and-conditions](https://www.arlon.com/na_en/legal/terms-and-conditions), are made in lieu of all other express or implied warranties.




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