



ARLON

## ► Series 3170

### Intermediate Cast Overlaminates Pressure-Sensitive Film

Series 3170 overlaminates are constructed as a 1.3-mil (35 micron) cast vinyl film with clear, permanent pressure-sensitive adhesive. Designed to protect printed graphics, the thinner facestock of Series 3170 provides a higher conformability for your vehicle wraps, intermediate signage, and graphics. Series 3170 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

- Protective overlaminates for Fusion Wrap, CalWrap, DPF 4600LX, DPF 4600GLX/MLX provides outdoor durability up to 7 years.
- Protective overlaminates is approved for use with SLX Cast Wrap and SLX+ and provides outdoor durability of up to 5 years.
- Vehicle and fleet graphics, intermediate signage, kiosks and POP displays
- 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 to 90 Gloss Units (Gloss) 1.5 to 10 Gloss Units (Matte)	
<b>THICKNESS</b>	Micrometer, Federal Bench Type	1.3 mil (35 micron)	
<b>TENSILE STRENGTH</b>	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
<b>ELONGATION</b>	Instron Tensile Tester as above	≥ 200%	
<b>SHELF LIFE (IN BOX)</b>	Ideal Storage Temperature 70°F (21°C) and 50% relative humidity	2 years from factory shipment	
<b>APPLICATION TEMPERATURE RANGE</b>	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
<b>SERVICE TEMPERATURE RANGE</b>	On clean, dry substrate	-40°F to 175°F	-40°C to 79°C
<b>DIMENSIONAL STABILITY</b>	Shrinkage After 158°F (70°C), 48 hours	< 10-mil	0.25 mm
<b>PEEL ADHESION</b>	PSTC-1, 15 min, 70°F (21°C)	3.5 lbs/in	0.63 kg/cm
	PSTC-1, 24 hour 70°F (21°C)	4.0 lbs/in	0.71 kg/cm
	PSTC-1, 1 week 70°F (21°C)	5.5 lbs/in	.98 kg/cm
<b>LINER RELEASE</b>	TLMI Release at 90°, 300 in/min (760 cm/min)	55 g/2in	10.83 g/cm

Standard Terms & Conditions Apply

#### USA

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#### CHINA

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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 3170 will resist weathering best when applied to vertical or upper outboard angles. Horizontal surfaces, such as hood(s) and auto roof(s), will deteriorate more quickly than vertical surfaces. 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. See Arlon's Print Media & Laminate Warranty, which is available at <https://www.arlon.com/support/warranties>.

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 orders and purchases made in connection with this document are governed and limited by Arlon's Standard Terms and Conditions, which are incorporated in full by this reference and are available at <http://www.arlon.com/terms-and-conditions> or in hardcopy by request.

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