



► Series 3170

Intermediate Cast Overlamine 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

- Vehicle and fleet graphics, intermediate signage, kiosks and POP displays
- Arlon overlaminate 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) 1.5 to 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)	3.5 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
LINER RELEASE	TLMI Release at 90°, 300 in/min (760 cm/min)	55 g/2in	10.83 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 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 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, are made in lieu of all other express or implied warranties.




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