

► Series 3170 Overlaminates

Intermediate Cast Overlaminates Pressure-Sensitive Film

Series 3170 overlaminates are a 35 microns gloss 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, DPF 4600GLX/MLX, DPF 4500GLX/MLX
- Protective overlaminates are 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	
SURFACE FINISH	Gloss Meter 60° Reflection	80 to 90 Gloss Units	
THICKNESS	Micrometer, Federal Bench Type	35 microns	
TENSILE STRENGTH	Tensile Tester with 2-in (51 mm) jaw separation; crosshead speed of 12 in/min. (5.1 mm/s), web direction	≥ 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:	4.4°C to 38°C	
	Corrugated with rivets & channels:	15°C to 38°C	
SERVICE TEMPERATURE RANGE	On clean, dry substrate	-40°C to 79°C	
DIMENSIONAL STABILITY	Shrinkage After 158°F (70°C), 48 hours	0.25 mm	
PEEL ADHESION	PSTC-1, 15 min, 70°F (21°C)	3.5 lbs/in	.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)	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 3170 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 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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