ARLON

PRODUCT INFORMATION BULLETIN

Series V3370

Premium Non-PVC Overlaminate with a Gloss Finish

Series V3370 is a premium, 1.5-mil (38 micron) non-PVC film cast with a water-based formulation and coated with a clear, permanent pressure-sensitive adhesive. This polyurethane overlaminate creates long-lasting graphics by having an extended durability of up to 12 years (unprinted), a high-gloss finish with high gloss retention, and scratch recovery properties. Series V3370 has superior resistance against harsher chemicals such as: IPA, ethanol, gasoline, ethyl acetate, and various cleaners. Potential rework and scrap are minimized due to the overlaminate's high heat tolerance that reduces the risk of burning the film, and facefilm not sticking to itself after heat is applied, which eliminates damage to the graphic. The film is fire tested under ASTM E-84 with a Class A rating.

APPLICATIONS & FEATURES

- VOC reduction by 57.1% during manufacturing.
- Eliminates the release of chloro-chemicals in landfills.
- Chemical resistance and scratch-recovery properties, where minor scratches will heal over time.
- Increased durability along with UV and acid rain protection to extend the life of graphics.
- No mold growth*.
- High-gloss finish and long-lasting gloss retention for graphics.
- High heat tolerance to reduce risk of burning the film.
- Ideal for wall (indoor and outdoor), commercial fleet, and partial and full vehicle wrap applications.
- Protective overlaminate for digitally printed Non-PVC, PVC Cast media, and flexible substrates.
- 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 Gloss Units (Gloss)	
THICKNESS	Micrometer, Federal Bench Type	1.5-mil (38 micron)	
TENSILE STRENGTH	Tensile Tester with 2-in (51 mm) jaw separation; crosshead speed of 12 in/min, (5.1 mm/s), web direction	8.5 lb/in width	1.5 kg/cm width
ELONGATION	Instron Tensile Tester as above	220%	
SHELF LIFE (IN BOX)	Free from excessive moisture, temperature, direct sunlight	2 years from factory shipment	
APPLICATION TEMPERATURE RANGE	On clean, dry substrate	60°F to 90°F	16°C to 32°C
SERVICE TEMPERATURE RANGE	On clean, dry substrate	-40°F to 175°F	-40°C to 79°C

No mold growth observed under ASTM D3273 when paired with DPF V9700.

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PROPERTY	TEST METHODS	TYPICAL VALUE	
DIMENSIONAL STABILITY	Shrinkage After 158°F (70°C), 48 hours	0.010 in	0.24 mm
PEEL ADHESION	PSTC-1, 15 min, 70°F (21°C)	4.0 lb/in	0.71 kg/cm
LINER RELEASE	TLMI Release at 90°, 300 in/min (760 cm/min)	50 g/2in	9.84 g/cm

.Standard Terms & Conditions Apply

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.

January 2024

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