



The applications are endless...

Series 87V Vinyl Film

Engineering Grade Screen Print Pressure Sensitive Film

Series 87V is a 3.8-mil satin white, high-tensile, polyvinyl chloride film with aggressive, permanent pressure-sensitive adhesive. Designed for indoor and outdoor graphics, Series 87V is made of 100% polymeric face stock with a special lay-flat liner. The special adhesive system is designed to stick to “hard-to-stick” and low energy surfaces. Series 87V is designed to meet the marking requirements and specifications of the transportation, vending, and automotive industries. The film conforms well to flat surfaces with slight contours when processed and applied according to Arlon recommendations. Series 87V is rated for outdoor durability up to 7 years (unprinted). Printed durability is dependent on the ink system used.

APPLICATIONS & FEATURES

- Polyolefin plastic surfaces such as polyethylene, polypropylene, polyurethane, etc.
- Cold cases and refrigerated equipment markings
- Highly textured and/or low-energy surfaces

PERFORMANCE AND PHYSICAL DATA

PROPERTY	TEST METHODS	TYPICAL VALUE	
SURFACE FINISH	Gloss Meter 60° Reflection	40-60%	
THICKNESS (including adhesive)	Micrometer, Federal Bench Type	0.0053 in	0.13 mm
TENSILE STRENGTH	Tensile Tester with 2-in (51 mm) jaw separation; crosshead speed of 12 in/min. (5.1 mm/s), web direction	13.0 lb/in width	2.3 kg/cm width
ELONGATION	Instron Tensile Tester as above	100%	
SHELF LIFE	Free from excessive moisture, temperature, direct sunlight	1 year from factory shipment	
APPLICATION TEMPERATURE RANGE	On clean, dry substrate	30°F to 80°F optimum	-1°C to 27°C optimum
SERVICE TEMPERATURE RANGE	On clean, dry substrate	-65°F to 225°F	-54°C to 107°C
DIMENSIONAL STABILITY	158°F (70°C), 48 hours	≥ 50 mils	≥ 1.27 mm
PEEL ADHESION	PSTC-1, 15 min, RT 70°F (21°C)	5.0 lbs/in	0.89 kg/cm
LINER RELEASE	TLMI Release at 90°, 300 in/min (760 cm/min)	30 g/2 in	12 g/cm

*Standard Terms and Conditions Apply

Effective 04/09

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CONDITIONS

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