

# DPF 9000 Vinyl Film

## Industrial Grade Digital Print Pressure Sensitive Film

DPF 9000 is a 3.5-mil (90 micron) satin white, high-tensile, polyvinyl chloride film with medium-tack, repositionable, permanent pressure-sensitive adhesive. Designed for outdoor graphics, DPF 9000 is made of 100% polymeric face stock with a special lay-flat liner. The special adhesive system is designed to be solvent and heat resistant. DPF 9000 is designed to meet the marketing requirements and specifications of the transportation and automotive industries. The film conforms well to flat surfaces with slight contours when processed and applied according to Arlon recommendations. DPF 9000 is rated for outdoor durability up to 7 years (unprinted). Printed durability is dependent on the ink system used.

## APPLICATIONS & FEATURES

- Digital printing with a wide variety of direct print systems.
- Fleet markings, decorations for railway car, bus, boat, and recreational vehicle.
- Gas pump skirts.
- Motorcycle markings requiring Bake Cycle Curing.

## PERFORMANCE & PHYSICAL DATA

PROPERTY	TEST METHODS	TYPICAL VALUE	
<b>SURFACE FINISH</b>	Gloss Meter 60° Reflection	40-60%	
<b>THICKNESS</b>	Micrometer, Federal Bench Type	3.5-mil (90 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	13.0 lb/in width	2.3 kg/cm width
<b>ELONGATION</b>	Instron Tensile Tester as above	100%	
<b>SHELF LIFE</b>	Free from excessive moisture, temperature, direct sunlight	1 year from factory shipment	
<b>APPLICATION TEMPERATURE RANGE</b>	On clean, dry substrate (flat)	40°F to 100°F optimum	4.4°C to 38°C optimum
<b>SERVICE TEMPERATURE RANGE</b>	On clean, dry substrate	-65°F to 225°F	-54°C to 107°C
<b>DIMENSIONAL STABILITY</b>	158°F (70°C), 48 hours	20 mils	0.50 mm
<b>PEEL ADHESION</b>	PSTC-1, 15 min, RT 70°F (21°C)	2.5 lbs/in	0.45 kg/cm
<b>LINER RELEASE</b>	TLMI Release at 90°, 300 in/min (760 cm/min)	30 g/2 in	12 g/cm

\*Standard Terms & Conditions Apply

Effective Date 10/11

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## **TERMS & CONDITIONS**

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