

## PRODUCT INFORMATION BULLETIN

# DPF 8000 Vinyl Film

## Engineering Grade Digital Print Pressure Sensitive Film

### PRODUCT DESCRIPTION

DPF 8000 is a 3.8-mil satin white, high-tensile, polyvinyl chloride film with aggressive, permanent pressure-sensitive adhesive. Designed for indoor and outdoor graphics, DPF 8000 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" surfaces and low energy surfaces. DPF 8000 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. DPF 8000 is rated for outdoor durability up to 7 years (unprinted). Printed durability is dependent on the ink system used.

### AREAS OF USE

- Digital printing with a wide variety of direct print systems
- Polyolefin plastic surfaces such as polyethylene, polypropylene, polyurethane, etc.
- Application in cold temperature environments
- Highly textured and/or low-energy surfaces

### PERFORMANCE AND PHYSICAL DATA

<u>PROPERTY</u>	<u>TEST METHODS</u>	<u>TYPICAL VALUE</u>	
<b>SURFACE FINISH</b>	Gloss Meter 60° Reflection	40-60%	
<b>THICKNESS</b> (including adhesive)	Micrometer, Federal Bench Type	0.0053 in	0.13 mm
<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	30°F to 80°F optimum	-1°C to 27°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	≥ 50 mils	≥ 1.27 mm
<b>PEEL ADHESION</b>	PSTC-1, 15 min, RT 70°F (21°C)	5.0 lbs/in	0.89 kg/cm
<b>LINER RELEASE</b>	TLMI Release at 90°, 300 in/min (760 cm/min)	30 g/2 in	12 g/cm

## **CONDITIONS OF SALE**

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*The following is made in lieu of all warranties expressed or implied:*

All statements, technical information and recommendations published by Arlon, Inc. relating to DPF 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, Inc. 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, Inc. shall have force or effect unless contained in an agreement manually signed by the officers of seller and manufacturer.



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