

## PRODUCT INFORMATION BULLETIN

# DPF 6500 Vinyl Film

## Premium Cast Digital Print Pressure Sensitive Film

### PRODUCT DESCRIPTION

DPF 6500 is a 2-mil matte white, cast, translucent film with permanent pressure-sensitive adhesive. Designed for backlit graphics, DPF 6500 is made of premium cast face stock with a special lay-flat liner. The film provides superior print resolution and image quality. DPF 6500 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
- Internally illuminated signage, displays and where light transmission is important
- Use in conjunction with Series 3200, 3220, 3230, or 3320 overlaminate

### PERFORMANCE AND PHYSICAL DATA

<u>PROPERTY</u>	<u>TEST METHODS</u>	<u>TYPICAL VALUE</u>	
<b>SURFACE FINISH</b>	Gloss Meter 60° Reflection	25-40%	
<b>THICKNESS</b> (including adhesive)	Micrometer, Federal Bench Type	0.0032 in	0.08 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	≥ 4.5 lb/in width	≥ 0.8 kg/cm width
<b>ELONGATION</b>	Instron Tensile Tester as above	≥ 150%	
<b>SHELF LIFE</b>	Free from excessive moisture, temperature, direct sunlight	2 years from factory shipment	
<b>APPLICATION TEMPERATURE RANGE</b>	On clean, dry substrate	40°F to 100°F optimum	4.4°C to 38°C optimum
<b>SERVICE TEMPERATURE RANGE</b>	On clean, dry substrate	-40°F to 200°F	-40°C to 93° C
<b>DIMENSIONAL STABILITY</b>	158°F (70°C), 48 hours	10 mils	0.25 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)	80 g/2 in width	31 g/cm width

## **OPTIMUM PERFORMANCE**

DPF 6500 is a premium cast translucent vinyl film that has been weather tested in a variety of rigorous direct exposure locales, including Florida and California.

Actual weathering durability depends on surface preparation, surface maintenance and exposure conditions. Successful weather resistance is characterized by the retention of legibility. DPF 6500 will resist weathering best when applied to vertical or upper outboard angles. Arlon does not recommend its film for horizontal and close horizontal applications.

## **CONDITIONS OF SALE**

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

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