



# ▶ DPF 6500 Vinyl Film

## Premium Translucent Cast Digital Film

DPF 6500 is a 2-mil (50 micron) gloss 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.

### APPLICATIONS & FEATURES

- 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, Series 3210, Series 3220 or Series 3350 overlaminates.

### PERFORMANCE & PHYSICAL DATA

PROPERTY	TEST METHODS	TYPICAL VALUE	
<b>SURFACE FINISH</b>	Gloss Meter 60° Reflection	25 to 40 Gloss Units	
<b>THICKNESS</b>	Micrometer, Federal Bench Type	2-mil (50 micron)	
<b>TENSILE STRENGTH</b>	Tensile Tester 2-in (51mm) jaw separation; crosshead speed of 12 in/min (5.1 mm/s), web direction	≥ 4.5 lb/in	≥ 0.8 kg/cm
<b>ELONGATION</b>	Instron Tensile Tester as above	≥ 150%	
<b>SHELF LIFE (IN BOX)</b>	Ideal storage temperature 21°C and 50% relative humidity	1 year from factory shipment	
<b>APPLICATION TEMPERATURE RANGE</b>	On clean, dry substrate	40°F to 100°F	4.4°C to 38°C
<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 aging	10-mil	0.25 mm
<b>PEEL ADHESION</b>	PSTC-1, 15 min, 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	0.03 kg/2 cm

Standard Terms & Conditions Apply  
 NOTE: DPF 6500 has a 27% light transmission.

## 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.

## TERMS & CONDITIONS

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

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