

DPF 6500 Vinyl Film

Premium Cast Digital Print Pressure Sensitive 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, 3220 or 3350 overlaminates.

PERFORMANCE & PHYSICAL DATA

PROPERTY	TEST METHODS	TYPICAL VALUE	
SURFACE FINISH	Gloss Meter 60° Reflection	25-40%	
THICKNESS	Micrometer, Federal Bench Type	2-mil (50 micron)	
TENSILE STRENGTH	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
ELONGATION	Instron Tensile Tester as above	≥ 150%	
SHELF LIFE	Free from excessive moisture, temperature, direct sunlight	2 years from factory shipment	
APPLICATION TEMPERATURE RANGE	On clean, dry substrate	40°F to 100°F optimum	4.4°C to 38°C
SERVICE TEMPERATURE RANGE	On clean, dry substrate	-40°F to 200°F	-40°C to 93°C
DIMENSIONAL STABILITY	158°F (70°C), 48 hours	10-mils	0.25 mm
PEEL ADHESION	PSTC-1, 15 min, RT 70°F (21°C)	2.5 lbs/in	0.45 kg/cm
LINER RELEASE	TLMI Release at 90°, 300 in/min (760 cm/min)	80 g/2 in width	31 g/cm width

*Standard Terms & Conditions Apply

Effective Date 10/11

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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:

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

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