



# DPF 6000RP Clear Vinyl Film

## Premium Cast Digital Print Pressure Sensitive Vinyl Film

DPF 6000RP Clear is a 2-mil (50 micron) gloss clear cast film with clear, high tack, permanent pressure-sensitive adhesive. Designed for large format graphics, DPF 6000RP is made of premium quality cast face stock with a special lay-flat liner. The special adhesive system is designed to provide easy installation. DPF 6000RP Clear 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.
- Great for window applications and second surface signs.
- Used in conjunction with Series 3200, 3220, or Series 3350 overlaminates.

### PERFORMANCE & PHYSICAL DATA

PROPERTY	TEST METHODS	TYPICAL VALUE	
<b>SURFACE FINISH</b>	Gloss Meter 60° Reflection	70-90%	
<b>THICKNESS</b>	Micrometer, Federal Bench Type	2-mil (50 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	≥ 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 (flat)	40°F to 100°F optimum	4.4°C to 38°C
	On clean, dry substrate (corrugated with rivets and channels)	60°F to 100°F optimum	15°C to 38°C optimum
<b>SERVICE TEMPERATURE RANGE</b>	On clean, dry substrate	-40°F to 175°F	-40°C to 79°C
<b>DIMENSIONAL STABILITY</b>	158°F (70°C), 48 hours	0.015 in	0.38 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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## ADHESION/CHEMICAL CHARACTERISTICS

ADHESION CHARACTERISTICS** SUBSTRATES	ENGLISH UNITS NOMINAL		CHEMICAL REACTION RESISTANCE		
	LB / IN WIDTH	KG / CM	CHEMICAL AGENTS	EXPOSURE TIME	RESULTS
ETCHED ALUMINUM	4.4	0.78	TAP WATER	24 hrs	No Effect
ANODIZED ALUMINUM	5.6	1.00	ETHYLENE GLYCOL/WATER (50% Ethylene Glycol/50% water)	24 hrs	No Effect
CHROME	3.1	0.55	REFERENCE FUEL (85% Mineral Spirits/15% Xylol)	1 hr	No Effect
ACRYLIC ENAMEL	4.4	0.78	SAE 20 MOTOR OIL	24 hrs	No Effect
ACRYLIC LACQUER	4.4	0.78	JP-4 FUEL	10 mins	No Effect
ABS	5.0	0.89	10% HCL	10 mins	No Effect
			10% AMMONIUM HYDROXIDE	10 mins	No Effect
			VM & P NAPHTHA	10 mins	No Effect
			MINERAL SPIRITS	10 mins	No Effect
			METHANOL (Methyl Alcohol)	10 mins	No Effect

## OPTIMUM PERFORMANCE

Actual weathering durability depends on surface preparation, surface maintenance and exposure conditions. Successful weather resistance is characterized by the retention of legibility. DPF 6000RP Clear will resist weathering best when applied to vertical or upper outboard angles. Horizontal angles will deteriorate more quickly than vertical. This is due to increased exposure to sun and moisture, as well as high deposition of dirt and atmospheric contaminants. Arlon does not recommend its film for horizontal or close horizontal applications. Use heat and/or chemical when removing image from vehicle (see Installer Handbook for details).

## 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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