



## ► DPF 6000RP Clear

### Premium Cast Digital Print Pressure-Sensitive Vinyl Film

DPF 6000RP Clear is a 2-mil (50 micron) gloss clear cast film with clear, permanent pressure-sensitive adhesive. Designed for large format graphics, DPF 6000RP Clear 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, second surface signs, backlit signage, vehicle graphics, display graphics.
- Used in conjunction with Series 3200, Series 3210, Series 3220, or Series 3350 overlaminates.

### PERFORMANCE & PHYSICAL DATA

PROPERTY	TEST METHODS	TYPICAL VALUE	
SURFACE FINISH	Gloss Meter 60° Reflection	70 to 90 Gloss Units	
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	1 year from factory shipment	
APPLICATION TEMPERATURE RANGE	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
SERVICE TEMPERATURE RANGE	On clean, dry substrate	-40°F to 175°F	-40°C to 79°C
DIMENSIONAL STABILITY	158°F (70°C), 48 hours	0.015 in	0.38 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)	30 g/2 in	12 g/cm

\*Standard Terms & Conditions Apply

#### USA

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## ADHESION/CHEMICAL CHARACTERISTICS

ADHESION CHARACTERISTICS	ENGLISH UNITS	NOMINAL	CHEMICAL REACTION RESISTANCE		
SUBSTRATES	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 rather than horizontal surfaces due to the nature of less UV exposure and moisture, as well as other contaminants. Use heat and/or chemicals when removing graphics from vehicle (see Installer Handbook for details).

## TERMS & CONDITIONS




The warranties offered in Arlon's Standard Terms and Conditions, which are incorporated in full by this reference and are available at [https://www.arlon.com/na\\_en/legal/terms-and-conditions](https://www.arlon.com/na_en/legal/terms-and-conditions), are made in lieu of all other express or implied warranties.

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