

► DPF 6000RP Clear

Premium Cast Digital Print Pressure-Sensitive Vinyl Film

DPF 6000RP Clear is a 50 microns gloss clear cast film with clear, high tack, 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	50 microns
TENSILE STRENGTH	Tensile Tester with 51 mm jaw separation; crosshead speed of 5.1 mm/s, web direction	≥ 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)	4.4°C to 38°C
	On clean, dry substrate (corrugated with rivets and channels)	15°C to 38°C optimum
SERVICE TEMPERATURE RANGE	On clean, dry substrate	-40°C to 79°C
DIMENSIONAL STABILITY	70°C, 48 hours	0.38 mm
PEEL ADHESION	PSTC-1, 15 min, RT 21°C	≥ 0.45 kg/cm
LINER RELEASE	TLMI Release at 90°, 760 cm/min	12 g/cm

Standard Terms & Conditions Apply

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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

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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, such as hood and auto roof surfaces, 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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