



► 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 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 and second surface signs.
- Used in conjunction with Series 3200, Series 3220, or Series 3350 overlaminates.

PERFORMANCE & PHYSICAL DATA

PROPERTY	TEST METHODS	TYPICAL VALUE	
SURFACE FINISH	Gloss Meter 60° Reflection	70% to 90%	
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

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. 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

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