



DPF 6000XRP Vinyl Film

With X-scape Technology

Premium Cast Digital Print Pressure Sensitive Vinyl Film

DPF 6000XRP is a 2-mil (50 micron) gloss white cast film with bubble releasing, tinted, repositionable, permanent pressure-sensitive adhesive. The X-scape system allows installers to achieve speedy installation while maintaining a high enough tack to ensure long term bond. Designed for large format graphics, DPF 6000XRP is made of premium quality cast face stock with a lay-flat liner. The adhesive system is designed to provide excellent opacity, as well as easy installation. The film provides superior conformability around rivets, curves, and contours. DPF 6000XRP 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.
- Fleet and vehicle applications.
- Used in conjunction with Series 3200, 3220, or 3350 overlaminates*

* DPF 6000XRP and Series 3350 are not warranted around compound curves.

PERFORMANCE & PHYSICAL DATA

PROPERTY	TEST METHODS	TYPICAL VALUE	
SURFACE FINISH	Gloss Meter 60° Reflection	70-90%	
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	2 years 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	0.010 in	0.24 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	32 g/cm

*Standard Terms & Conditions Apply

Effective Date 10/11

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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
ETCHED ALUMINUM	N/A	N/A	TAP WATER	N/A	No Effect
ANODIZED ALUMINUM	N/A	N/A			
CHROME	N/A	N/A			
ACRYLIC ENAMEL	N/A	N/A	SAE 20 MOTOR OIL	N/A	No Effect
ACRYLIC LACQUER	N/A	N/A	JP-4 FUEL	N/A	No Effect
ABS	N/A	N/A	10% HCL	N/A	No Effect
			10% AMMONIUM HYDROXIDE	N/A	No Effect
			VM & P NAPHTHA	N/A	No Effect
			MINERAL SPIRITS	N/A	No Effect
			METHANOL (Methyl Alcohol)	N/A	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 6000XRP 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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