

► DPF 6100XLP Vinyl Film

Premium Cast Digital Film with X-Scape Technology®

DPF 6100XLP is a 50 microns gloss white cast film with bubble releasing, tinted, clean removing, repositionable, permanent pressure-sensitive adhesive. The LX (Low Profile) X-Scape Technology® allows installers to achieve speedy installation while maintaining a high enough tack to ensure long-term bond. Designed for large format graphics, DPF 6100XLP is made of premium quality cast facestock with a low profile liner. The adhesive system is designed to provide excellent opacity as well as easy installation. The film provides superior conformability around rivets, curves, contours and channels. DPF 6100XLP 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
- Vehicle graphics
- Warrantied for use on rivets, corrugations and channel structures
- Used in conjunction with Series 3200, Series 3210, Series 3220, Series 3270 or Series 3310 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
ELONGATION	Instron Tensile Tester as above	Average 200%
SHELF LIFE (IN BOX)	Ideal Storage Temperature 21°C and 50% relative humidity	2 years from factory shipment
APPLICATION TEMPERATURE RANGE	On clean, dry substrate	4.4°C to 38°C
	On clean, dry substrate (corrugated with rivets and channels)	15°C to 38°C
SERVICE TEMPERATURE RANGE	On clean, dry substrate	-40°C to 80°C
DIMENSIONAL STABILITY	70°C, 48 hours	0.24 mm
PEEL ADHESION	PSTC-1, 15 min, 21°C	≥ 0.68 kg/cm
LINER RELEASE	TLMI Release at 90°, 760 cm/min	9.84 g/cm

NOTE: Recommended post-heat surface temperature of vinyl installed: 95°C to 105°C. The recommended post heat temperature applies to the media and overlaminate wrap.

Standard Terms & Conditions Apply

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 6100XLP 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).

STORAGE AND MAINTENANCE

Storing vinyl graphics in covered areas will help prolong the life of the vinyl by limiting its exposure to damaging elements such as sunlight and rain. Protecting a wrapped car in the garage can keep it sheltered from all types of weather and harmful pollution, both of which could wear out the horizontal surfaces of the car and cause damage to the paint underneath. Vinyl that starts to brown or show discoloration has been negatively affected by acidic pollutants and if not immediately removed could stain the paint. Taking extra steps to keep the vinyl covered when not in use will help extend the life of the vinyl and keep the car looking as good as it did when it was first wrapped.

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.

October 2019