



► DPF 2400XLP - Reflective Vinyl Film

Fleet Grade Reflective Digital Print Pressure Sensitive Film with Air-Egress

DPF 2400XLP is a 5-mil (125 micron) printable reflective vinyl film with bubble releasing, tinted, repositionable, permanent pressure-sensitive adhesive. The film conforms well to both flat and irregular surfaces when processed and applied according to Arlon recommendations. DPF 2400XLP meets or exceeds the following standards for motor vehicles: ISO 7591-1982, DOT FP-85 - Section 718, and ASTM-D 4956-89, Spec. Type 1, Class 1. It is rated for outdoor durability up to 7 years (unprinted) for flat surfaces and up to 5 years (unprinted) for irregular surfaces. Printed durability is dependent on the ink system used.

APPLICATIONS & FEATURES

- For full and partial fleet wraps, vehicle markings and any surface requiring reflective vinyl film.
- Recommended with dry application methods only.
- Speedy Installation with X-Scape Technology®.
- Exceptional Repositionability, Minimizing Bruising for Optimal Reflectivity.
- Enhanced Elongation for Optimum Conformability.
- Brilliant Graphics by Day, Luminous Graphics by Night.
- World-Class Printability - Compatible with Solvent, Latex, and UV.

PERFORMANCE & PHYSICAL DATA

PROPERTY	TEST METHODS	TYPICAL VALUE	
SURFACE FINISH	Gloss Meter 60° Reflection	80 to 90 Gloss Units	
THICKNESS	Micrometer, Federal Bench Type	5-mil (125 micron)	
TENSILE STRENGTH	Tensile Tester with 2-in (51 mm) jaw separation; crosshead speed of 12 in/min. (5.1 mm/s), web direction	≥ 10.0 lb/in	≥ 1.8 kg/cm
ELONGATION	Instron Tensile Tester as above	≥ 90%	
SHELF LIFE	Ideal Storage Temperature 70°F (21°C) and 50% relative humidity	2 years from factory shipment	
APPLICATION TEMPERATURE RANGE	On clean, dry substrate	50°F to 100°F	10°C to 38°C
SERVICE TEMPERATURE RANGE	On clean, dry substrate	-40°F to 160°F	-40°C to 71°C
DIMENSIONAL STABILITY	158°F (70°C), 48 hours	< 10 mils	< 0.254 mm
GASOLINE RESISTANCE	Film applied to etched aluminum panels 24 hours prior to testing LS-300 Method 4.4.6	No appreciable effect	
PEEL ADHESION	PSTC-1, 15 min. 70°F (21° C) on Stainless Steel	≥ 4.2 lbs/in	≥ 0.7 kg/cm
LINER RELEASE	TLMI Release at 90°, 300 in/min (60 cm/min)	40 g/2 in	8 g/cm

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 2400XLP will resist weathering best when applied to vertical angles rather than horizontal due to the nature of less UV exposure and moisture, as well as other contaminants. For additional installation tips on DPF 2400XLP, reference the DPF 2400XLP Installation Guide.

REMOVAL

Addition of heat during removal will make the process much cleaner and faster. Where ambient temperature is not that high, use either a flame type torch or heat gun to bring the temperature up. Arlon recommends getting the film and under laying adhesive above 130°F (54°C).

Remove the film in a continuous smooth motion with minimal stops at a shallow angle of less than 90 degrees for the cleanest and fastest separation. Where it is practical, two people on the removal make the job go far faster than using just one. With one person working the heating unit in front of the second person who is peeling the film, the job proceeds at a uniform and consistent pace. Where only one person is working there will be constant starting and stopping in addition to the problems on the heat being very inconsistent.

TERMS & CONDITIONS

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