

► DPF 510

Digital Print Pressure-Sensitive Vinyl Film

DPF 510 is a 100 microns monomeric film with a clear, solvent-based pressure-sensitive adhesive. The two-sided polycoated liner provides excellent lay-flat properties. The high-quality adhesive provides far superior adhesion and cohesion properties than water-based adhesive. DPF 510 is available in a white gloss finish and matte finish. DPF 510 is rated for outdoor durability up to 3 years (unprinted). Printed durability is dependent on the ink system used.

APPLICATIONS & FEATURES




- Short-term promotional and display graphics, including kiosks, POP displays and real estate signage
- Excellent printability on Eco-Solvent, Solvent, UV and Latex print systems
- Ideal for interior and exterior applications on flat surfaces

PERFORMANCE & PHYSICAL DATA




PROPERTY	TEST METHODS	TYPICAL VALUE
SURFACE FINISH	Gloss Meter 60° Reflection	70 to 90 Gloss Units (Gloss) Up to 30 Gloss Units (Matte)
THICKNESS	Micrometer, Federal Bench Type	100 microns
TENSILE STRENGTH	Tensile Tester with 51 mm jaw separation; crosshead speed of 5.1 mm/s, web direction	≥ 2.7 kg/cm
ELONGATION	Instron Tensile Tester as above	≥ 200%
SHELF LIFE (IN BOX)	Ideal Storage Temperature 21°C and 50% relative humidity	1 year from factory shipment
APPLICATION TEMPERATURE RANGE	On clean, dry substrate	10°C to 32°C
SERVICE TEMPERATURE RANGE	On clean, dry substrate	-29°C to 65°C
DIMENSIONAL STABILITY	70°C, 48 hours, on aluminum panel	0.25 mm
PEEL ADHESION	PSTC-1, 15 min, 21°C	0.36 kg/cm
LINER RELEASE	TLMI Release at 90°, 760 cm/min	7.9 g/cm

Standard Terms & Conditions Apply



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TERMS & CONDITIONS

The warranties offered in Arlon’s Standard Terms and Conditions, which are incorporated in full by this reference and are available at https://www.arlon.com/na_en/legal/terms-and-conditions, are made in lieu of all other express or implied warranties.

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