



ARLON

DPF 510G / M / GT / MT

DPF 510 delivers a consistent, vibrant print quality at an unbeatable value for your short-term applications. The two sided, lay-flat polycoated liner ensures that the vinyl will not curl under heavy heat from printers, is resistant to high humidity and makes your graphic easier to handle and install. DPF 510 has consistent ink receptivity across most print systems. The permanent adhesive ensures a lasting impact for your everyday promotional graphics and can be used with dry or wet applications. Combine DPF 510 with Series 3510 overlamine for an easier installation and abrasion resistance.

Unique Features:

- ▶ Lay-Flat Polycoated Liner
- ▶ Consistent Print Quality
- ▶ Solvent Based Adhesive

Applications:

- ▶ Standard Signage (Permanent)
- ▶ Display Graphics

Performance & Physical Data

Finish:	Gloss / Matte
Durability (Unprinted):	3 Years
Roll Widths:	30"* (0,76 m) 54" (1,37 m) 60" (1,52 m)
Roll Lengths:	50 Yards (45,72 m)
Adhesive:	Permanent (Clear or Tinted)
Release Liner:	Lay-Flat Polycoated
Ink Compatibility:	Eco-Solvent Solvent Latex
Compatible Overlamine:	Series 3510

*30" (0,76 m) width only available in DPF 510GT



USA:  200 Boysenberry Lane, Placentia, CA 92870, USA
 EUROPE:  North Sea Building, Gevers Deynootweg 93, 4th Floor, 2586BK Den Haag, The Netherlands

 800 232 7161 / 714 985 6300  800 329 2756
 +31 0 70 354 4311  +31 0 70 355 7721

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August 2017



▶ DPF 510 Vinyl Film

Digital Print Pressure-Sensitive Vinyl Film

DPF 510 is a 3.2-mil (80 micron) calendered film with a clear or tinted, 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 and white 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 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	3.2-mil (80 micron)	
TENSILE STRENGTH	Tensile Tester with 2-in (51 mm) jaw separation; crosshead speed of 12 in/min. (5.1 mm/s), web direction	≥ 15.0 lb/in	≥ 2.7 kg/cm
ELONGATION	Instron Tensile Tester as above	≥ 200%	
SHELF LIFE (IN BOX)	Ideal Storage Temperature 70°F (21°C) and 50% relative humidity	1 year from factory shipment	
APPLICATION TEMPERATURE RANGE	On clean, dry substrate	50°F to 90°F	10°C to 32°C
SERVICE TEMPERATURE RANGE	On clean, dry substrate	-20°F to 150°F	-29°C to 65°C
DIMENSIONAL STABILITY	158°F (70°C), 48 hours	10-mil	0.25 mm
PEEL ADHESION	PSTC-1, 15 min, 70°F (21°C)	≥ 2.00 lb/in	≥ 0.36 kg/cm
LINER RELEASE	TLMI Release at 90°, 300 in/min (760 cm/min)	40 g/2 in	7.9 g/cm

Standard Terms & Conditions Apply

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.

January 2016

USA:  200 Boysenberry Lane, Placentia, CA 92870, USA
EUROPE:  North Sea Building, Gevers Deynootweg 93, 4th Floor, 2586BK Den Haag, The Netherlands
UK:  P6 Parklands, Heywood Distribution Park, Heywood, Lancashire OL102TT, UK
INDIA:  4F1 Court Chambers 35, New Marines Lines, Mumbai 400 020, India

 800 232 7161/+1 714 985 6300  800 329 2756
 +31 70 354 4311  +31 70 355 7721
 +44 161 884 0592  +31 70 355 7721
 +91 99 6755 3895

arlon.com



▶ DPF 510GT/MT Vinyl Film

Digital Print Pressure-Sensitive Vinyl Film

DPF 510GT/MT is a 3.2-mil (80 micron) calendered film with a tinted, solvent-based pressure-sensitive adhesive. The two-sided polycoated liner provides excellent lay-flat properties. The high-quality tinted adhesive provides far superior adhesion and cohesion properties than water-based adhesive and added opacity to ensure your graphic is vibrant. DPF 510GT/MT is available in a white gloss and white 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, real estate signage, and interior floor graphics*
- Excellent printability on Eco-Solvent, Solvent 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	75 to 90 Gloss Units (Gloss) Up to 30 Gloss Units (Matte)	
THICKNESS	Micrometer, Federal Bench Type	3.2-mil (80 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 lb/in	1.88 kg/cm
ELONGATION	Instron Tensile Tester as above	≥ 150 %	
SHELF LIFE (IN BOX)	Ideal Storage Temperature 70°F (21°C) and 50% relative humidity	1 year from factory shipment	
APPLICATION TEMPERATURE RANGE	On clean, dry substrate	50°F to 90°F	10°C to 32°C
SERVICE TEMPERATURE RANGE	On clean, dry substrate	-20°F to 150°F	-29°C to 65°C
DIMENSIONAL STABILITY	158°F (70°C), 48 hours	≤ 40 mil	≤ 1.0 mm
PEEL ADHESION	PSTC-1, 15 min, 70°F (21°C)	2.00 lb/in	0.36 kg/cm
LINER RELEASE	TLMI Release at 90°, 300 in/min (760 cm/min)	5-20 g/in	1.97-7.87 g/cm

Standard Terms & Conditions Apply
*When used with Series 3220 Gloss or Series 3420 Gloss/Matte

FLOOR APPLICATIONS

DPF 510GT/MT is recommended for short-term interior floor applications when used with either Series 3220 Gloss or Series 3420 Gloss and Matte, which are approved under UL 410 regulation for slip-resistance for Floor Graphic Materials. To determine the best product for application Arlon always recommends testing prior to using the above products on the actual surface as product performance can vary greatly depending on the surface type, level of foot traffic, elemental exposure, carpet type, and floor condition. Due to these variables, Arlon only warrants the material(s) for standard manufacturers defect and is unable to offer a warranty for the performance or clean removability of these products for floor graphic applications.

Please refer to Arlon's [Installation Guide](#) for detailed techniques and best practices.

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The following is made in lieu of all warranties expressed or implied:

All orders and purchases made in connection with this document are governed and limited by Arlon's Standard Terms and Conditions, which are incorporated in full by this reference and are available at <http://www.arlon.com/terms-and-conditions> or in hardcopy by request.

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USA

 200 Boysenberry Lane, Placentia, CA 92870
 800 232 7161 / +1 714 985 6300
 +1 714 985 6305

EUROPE

 Dr. Lelykade 22B, 2583CM Den Haag, The Netherlands
 +31 70 354 4311
 +31 70 355 7721

CHINA

 No. 1989 Xinchang Road, Weifang, Shandong, 262400
 +86 0536 6226568