



▶ DPF 390 Print Flex

DPF 390 is a high-quality, intermediate backlit 19.5-oz white flexible substrate. It is designed for any backlit illuminated indoor or outdoor signage. DPF 390 can be decorated with translucent pressure-sensitive vinyl film or printed on with a wide variety of printers using Eco-Solvent, Solvent, UV and Latex inks. The heavy weight, durable flexible substrate is both tear and curl resistant, and it is RF weldable. It is compatible with various tensioning systems. DPF 390 has an anti-fungus and anti-wicking treatment. Outdoor durability (unprinted) is up to 6 years. Printed durability is dependent on the ink system used.

APPLICATIONS & FEATURES

- Digitally printable with Eco-Solvent, Solvent, UV and Latex direct print systems.
- Can be decorated with pressure-sensitive vinyl films and Plastiprint.
- Indoor and outdoor backlit illuminated signage.
- Intermediate flexible substrate applications.
- Series 3200, Series 3220 and Series 3220E overlaminates are recommended for DPF 390.

PERFORMANCE & PHYSICAL DATA

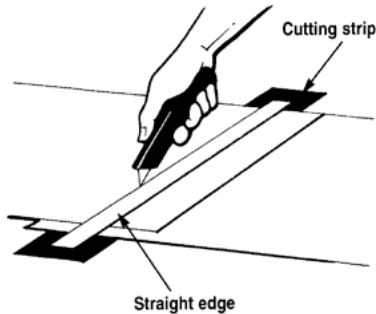
PROPERTY	UNITS	TYPICAL VALUE (AVERAGED)
THICKNESS	mil	22
	mm	0.56
CONSTRUCTION		20.0 oz. (675 gsm)
YARN (DENIER)		500 x 500
THREAD COUNT	Threads / inch	18 x 18
GLOSS (GLOSS METER 60° REFLECTION)		
GLOSS	%	10 to 20
OPACITY	%	> 75
LIGHT TRANSMISSION	%	19 to 21
TENSILE STRENGTH (ASTM)		
WARP (ALONG)	lbs / in	180
WEFT (ACROSS)	lbs / in	150
WARP (ALONG)	N / 25 mm	800
WEFT (ACROSS)	N / 25 mm	670

TECHNICAL SPECIFICATIONS (cont'd)

PROPERTY	UNITS	TYPICAL VALUE (AVERAGED)
ELONGATION	%	33
TEAR RESISTANCE		
WARP (ALONG)	lbs / in	23
WEFT (ACROSS)	lbs / in	20
WARP (ALONG)	lbs / 25 mm	102
WEFT (ACROSS)	lbs / 25 mm	89
SHELF LIFE (IN BOX)		Ideal storage temperature 70°F (21°C) and 50% relative humidity
STORAGE TEMPERATURE	°F	85°F or lower
PRINTABILITY		Eco-Solvent, Solvent, UV and Latex digital inks

Standard Terms & Conditions Apply

TRANSLUCENT FILM OVERLAP RECOMMENDATION ON DPF 390



Joined sections of film should overlap preferably 1/4" but at least 1/8".

A COMMON METHOD

1. To create a uniform overlap, first tape a cutting strip onto the substrate. *A two-inch (5 cm) piece of thin steel at 1/16" (1.6 mm) thickness is a good dimension for a cutting strip.*
2. Lay both pieces of vinyl over the cutting strip.
3. Place a metal straight edge where the two pieces of film cover the cutting strip. With a sharp utility knife, cut through all layers of film.
4. Remove the straight edge, excess film and the cutting strip.
5. Complete the squeegeeing procedure to create a proper overlap with uniform and straight edges.

OTHER PROPERTIES & INSTRUCTIONAL INFORMATION

SUBSTRATE TEMPERATURE

The best temperature for tensioning DPF 390 is between 50° to 100°F (10° to 35°C). Once tensioned it will maintain its form without sagging between the temperatures -41° to 176°F (42° to 80°C).

SMOOTH SURFACE

The manufacturing process in the production of DPF 390 provides for a flat, smooth surface. This flat, smooth surface allows for minimized dirt settlement and easier graphic application.

DECORATION

DPF 390 is a bright white flexible, reinforced, vinyl substrate. It is created for the sign and awning industries for use in backlit graphic applications utilizing PSA vinyl and print decoration methods.

OTHER PROPERTIES & INSTRUCTIONAL INFORMATION (cont'd)

HANDLING, PACKAGING & SHIPPING

When handling DPF 390 do not fold tightly or bunch as creasing or wrinkling may occur. If a crease occurs, apply heat with a 1000 watt heat gun to remove crease. When packaging, roll up on an inner core measuring a minimum of 6 inches (76 cm) in diameter with graphics facing out. When shipping, use an appropriate, sure fitting shipping core.

STORAGE

DPF 390 should be stored in a cool, dry environment. Preferred temperature is 60° to 75°F (16° to 24°C) with maximum humidity level of 50%.

SHELF LIFE

1 year.

SIZES

DPF 390 is available in 3'6", 4'6", 6'6", 8'6", 10'6", 12'6", and 16'4" seamless widths by 164' length.

PRE-CLEANING

If surface has to be cleaned, use a lint-free cloth moistened with a mixture of 1 part isopropyl alcohol to 1 part water. After cleaning, use a dry lint-free cloth to remove any wet areas.

CLEANING

See Arlon's Cleaning Maintenance & Worldwide Warranty.

WARRANTIES

Rated as a 6 year outdoor product.

SALES & TECHNICAL SUPPORT





For further information and literature relating to Flexface, contact an Arlon Representative.








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.

July 2015

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 / 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