



► 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

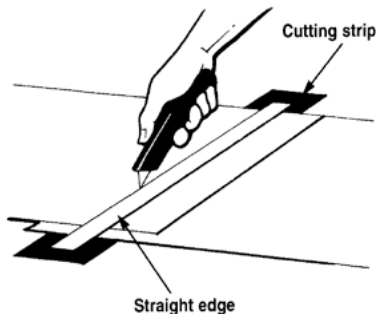
PROPERTY	UNITS	TYPICAL VALUE (AVERAGED)
THICKNESS	mil	22
	mm	0.56
CONSTRUCTION		20.0 oz. (675 gsm)
YARN (DENIER)		500 x 500
THREAD COUNT	Threads / inch	18 x 18
GLOSS (GLOSS METER 60° REFLECTION)		
GLOSS	%	10 to 20
OPACITY	%	> 75
LIGHT TRANSMISSION	%	19 to 21
TENSILE STRENGTH (ASTM)		
WARP (ALONG)	lbs / 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 it's 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:

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