

DISCONTINUED PRODUCT



PIEZO PORTABLE DISPLAY FILM (240gsm) - ON1PDF7

OMNIJET Piezo Portable Display Film is a polyester-based glossy white film with a porous instant dry ink, receiving layer.

This film also has a grey opaque backing layer, which makes it ideal for pop-up applications and those requiring no show through. It is designed for use with both piezo and thermal wide format inkjet printers, and is compatible with both dye and pigment ink types.

It may be used un-laminated with both dye and pigment inks to produce high-gloss images for short-term indoor display.

When laminated with a suitable protective film (e.g. OMNIJET Floorgraphic film), it is ideal for long-term pop-up display applications for exhibitions, trade fairs and point-of-sale, the polyester base making it tear-resistant and dimensionally stable. OMNIJET Piezo Portable Display Film is suited to both collapsible (roll-up) and frame-supported pop-up displays.

Technical Specification	
Weight ISO536	240gsm
Opacity ISO2471	>99%
Caliper ISO536	7mil (180 micron)
Gloss (20°)	>38%

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OMNIJET INKJET MEDIA NOTES

Instant Dry Porous coated media types:

Although instant dry porous coated media is touch-dry straight out of the printer, it is recommended that prints are left to dry fully before laminating. As with other inkjet papers, it is recommended that media is left for 24 hours for consistent results.

Polymer (swellable) media types:

As with other aqueous inkjet papers, 24 hours drying time should be allowed for consistent results and before lamination to allow the print to fully dry.

Matt Coated Papers:

To ensure best results with matt coated media types ensure that ink loads are kept as low as possible to reduce the possibility of cockling. This is especially important with the lighter matt coated grades.

Piezo Portable Display Film

ON1PDF7 (240gsm)

APPLICATION GUIDELINES

- High gloss instant dry opaque backed white film.
- Excellent imaging quality even at the fastest print speeds.
- Excellent smudge and water resistance.
- Media for pop-up applications and those requiring no show through.

PRINTER COMPATIBILITY

ILFORD OMNIJET Piezo Portable Display Film is designed for use with most wide format inkjet printer systems using either aqueous Dye or Pigment inks from major manufacturers.

IMPORTANT

Printer and driver settings may need careful setup to ensure optimum performance. Ink loads need to be set appropriately for the ink/printer combination in use.

INK COMPATIBILITY

OMNIJET Piezo Portable Display Film is designed to be compatible with printer vendor's ink for the corresponding printers.

Epson	UltraChrome, Archival and Dye inks
Hewlett Packard	Dye and UV ink
Encad	Dye inks only

Note: Due to the very high gloss finish of this product there maybe noticeable gloss loss in areas printed with some pigmented ink types.

AVAILABILITY

Finished rolls	Most standard widths from 24" (61cm) to 50" (127cm)
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PHYSICAL PROPERTIES

Weight	240gsm
Opacity	>99%
Caliper	180micron (7mil)
Tint (L*a*b)	96.5, 1.0, -6.0
Pre Print Gloss (20°)	40%
Environmental Use	15–25°C (60–75°F), 30–70% RH non-condensing
Storage Conditions (boxed)	10–50°C (50–120°F), 10–80% RH non-condensing

When using dye-based inks:

All unprotected "instant dry" nanoporous media may suffer from "gas fading" to some degree when used with dye based inks, depending on the display environment. To extend print life, they should be displayed under glass, laminated or otherwise protected or printed with pigmented inks.

NOTE

Specifications subject to change without notice.
All trademarks are the property of their respective companies.

INSTRUCTIONS FOR USE

A STEP BY STEP GUIDE TO USING PORTABLE DISPLAY FILM

PORTABLE DISPLAY FILM

APPLICATION Portable Display Film is intended for use as the printable part of a two part pop-up construction. It is suited to both aqueous dye and pigment ink use. To get the best results the media should be finished with a non-reflective and scuff resistant pressure sensitive laminating film. The media can be laminated by using the appropriate finishing materials (see later for suggestions).

HANDLING To avoid damage to the coatings before printing Portable Display Film should not be subjected to rough handling and should be handled by the edges as with any high-end photo media type.

PRINTING Please check www.ilford.com for details on suggested driver settings or ICC profiles for use with your printer. Like any form of calibration, fine-tuning may be required to cover local variables and preferences.

DRYING To ensure the maximum life expectancy and also easy post-print handling and finishing ensure that the print has time to dry after printing: with dye inks the print may feel dry but will still require time for solvents from the inks to come out. The drying time will depend on a number of variables including ink load, temperature and RH. In general, this usually occurs within 4 hours at 50 % R.H. and at an ink loading of around 250%.

For pigment inks please follow the suggestions of the ink supplier; in general these inks may require at least 24 hours to fully cure after printing. This drying time is required for the ink layer to become resistant to smudging or smearing.

FINISHING RECOMMENDATIONS The following settings are recommended for lamination with a non-reflective, scuff resistant and textured pressure sensitive laminating film:

Pressure:	30-80 PSI
Temperature of top and bottom rollers:	Less than 45°C (110°F)
Speed:	1 meter/minute (3 feet/minute)

The tension of the film should be as low as possible (adjustable by means of the unwind brake).

Hints To simplify the working conditions and to ensure a flat display we recommend laminating your image with the help of a support plate (PVC board).

1. First prepare a PVC board with a siliconised liner mounted on top.
2. Ensure that the nip setting of the roller corresponds to the board thickness.
3. Push the edge of the board into the rollers and press the foot switch until the board enters the nip.
4. Place your image face-up on the board, press the foot switch down and press down on the print (on the support plate) from the centre toward the edges to ensure a smooth surface.

Notes: Do not stop the machine whilst an image is being laminated as this can cause stop marks on the output.

Remove the support board and the pop-up from the rear of the laminator and trim the pop-up to the required size.

The display should remain flat for at least 4 hours after lamination. When rolled the laminated side should be outwards. Remember that dust free conditions are essential for good quality lamination.

Portable Display Film is slightly sensitive to humidity variation. When combined with a pressure sensitive laminate and mounted in a retractable support it will normally remain flat to within a tolerance of +/- 2cm of curl under the following conditions: 20°C to 30°C and 25% to 80% R.H.

When used as part of a retractable display it needs to be unrolled between 30 minutes and 2 hours before presentation for best flatness.

The configuration and method that your display system employs to hold the print has a significant effect on the tension and flatness of the graphic when displayed. If you are not satisfied we recommend that you experiment with alternative systems.

When used with dye based inks, all unprotected 'instant dry' nanoporous media may suffer from 'gas fading' to some degree, depending on the display environment. To extend print life, they should be laminated or otherwise protected, or printed with pigmented inks.