

## LASER ABLATIVE DRY FILM – LADF 0175

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**XSYS**

Print solid. Stay flexible.

### PREMIUM IMAGING QUALITY WITHOUT COMPROMISE

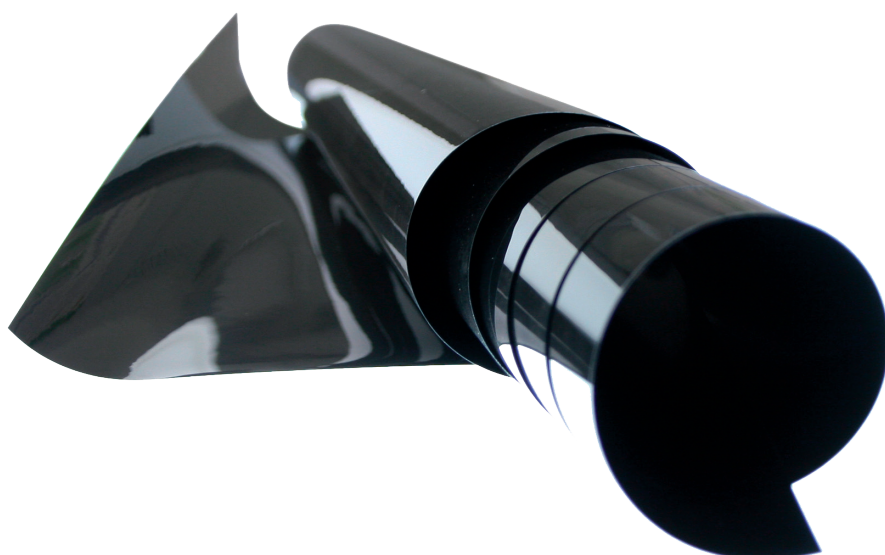
The laser ablative dry film LADF is designed for the imaging on infrared laser systems, such as digital flexo or letterpress image setters. The imaged LADF can be used for the UV-exposure of analogue flexographic, letterpress and offset plates, as well as for screen schablonen and for image control.

A very high resolution (>10.000 dpi, depending on the laser system) as well as high contrast and a sharp image makes the LADF suitable for almost all applications. The matte film surface enables the exposure of small size pad printing plates to large size flexo plates. The high thickness of 175 micron guarantees good handling properties and highest dimensional stability.

The LADF minimises the process tolerances and enables a reliable and repeatable quality in film processing. After ablation, no further processing step or cleaning is required. The film can be handled in daylight, there is no need for a darkroom or UV-protection.

### ADVANTAGES OF THE LASER ABLATIVE DRY FILM

- high resolution of up to 10.000 dpi
- precise reproduction of finest image details
- easy handling and highest dimensional stability due to 175 micron PET-carrier
- no chemicals (developer, fixer) required
- suitable for standard IR-laser for flexo or letterpress – no additional investment required
- fast imaging – no cleaning required
- good scratch resistance



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## EASY AND RELIABLE PROCESSING

Images © XSYS Germany GmbH



Imaging with IR-laser



The LADF can be used without prior cleaning



Precise reproduction to printing plate

## TECHNICAL SPECIFICATIONS

Rolls	500 mm x 30 m (19.69" x 1181.10") 762 mm x 30 m (30.00" x 1181.10")	1067 mm x 30 m (42.00" x 1181.10") 1270 mm x 30 m (52.00" x 1181.10")	Other formats on request
Base	Thickness: 0.175 mm / 175 micron Material: PET Coating: matte, black		
Density	Transparent areas: Dlog ~ 0.10 / Black coating: Dlog > 3.50		
Sensitivity	~ 4,5 Joule/cm <sup>2</sup>		
Suitable laser systems	IR-Lasersystems e.g. digital flexo- or letterpress image setters with a wavelength of 830-1100 nm		
Resolution	> 10000 dpi (depending on laser system)		
Storage	The LADF (unexposed and exposed) should be stored in a cool, dark and dry environment at 15-25°C / 59-77°F (room temperature) and a relative humidity of approx. 50-60%. Higher temperatures or colder (even for a short period of time) can affect the functionality of the film. If the temperature of the plate making room differs significantly from that of the storage room, the LADF should be adapted to the temperature of the plate making room prior to their use (approx. 15 hours) to get best dimension stability properties.		
Shelf life	1 year after delivery		
Cleaning	Standard film cleaner can be used for the cleaning of the LADF at a short contact time.		
Disposal	The LADF must be disposed in accordance with the local regulations. Material recycling is possible.		

## Product liability clause

The foregoing information and any consulting provided by us in terms of application engineering shall be given to our best knowledge, but shall not be considered binding information neither with regard to any third party industrial property rights. Any such consulting shall not relieve you from your own review of our current consulting information as to their suitability for the intended procedures and applications. It is the users responsibility to determine the suitability for his/her own use and application and test through the complete production process to ensure the product is fully suitable for the intended use, since conditions of use are beyond our control. The sale of our products shall be subject to our current General Terms and Conditions. We reserve the right to make changes that serve to improve the product.

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