

## Product Information

### Imagesetting Film: IR Laser Diode.

#### Description

IRL 100 Film is negative-acting, high contrast and infrared sensitive . It is designed for use on imagesetters/recorders/ scanners equipped with an Infrared Laser Diode emitting at 780 nm.

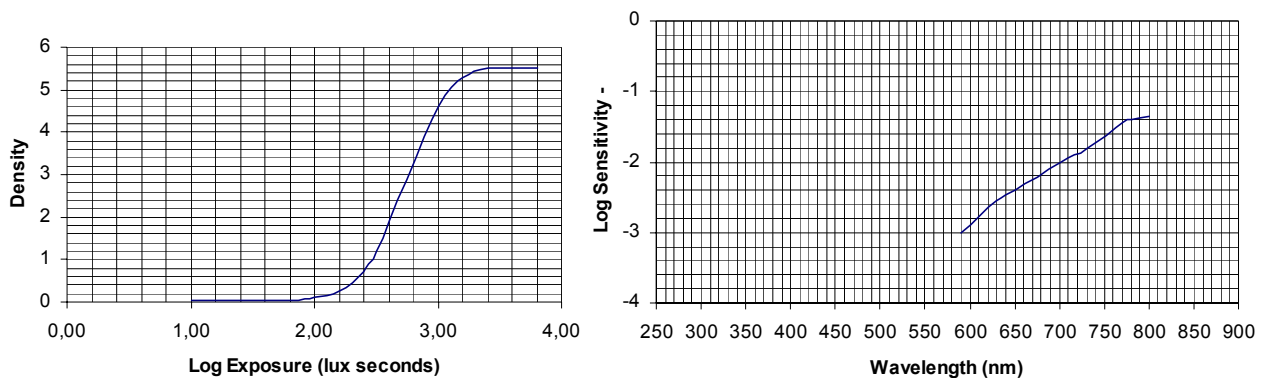
IRL 100 Film is coated on a 0.10 mm/4 mil antistatic polyester base with optimum dimensional stability, matte surface available:

- IRL 100 (0,10 mm/4 mil, std surface)
- IRM 100 (0,10 mm/4 mil, Matte surface)

IRL 100 Film always provides the consistent, high quality demanded by color separations, line art, text or halftone reproduction.

#### Features

- High speed
- Low minimum density
- Low UVD min
- Excellent image and dot quality
- High practical density
- High maximum density
- Neutral base transparency
- Antistatic properties
- Excellent latent image stability
- Wide exposure latitude
- High consistency
- Compatible with all capstan, internal drum and external drum recorder systems
- Compatible with the most common Rapid Access chemistries on the market



#### Applications

Production of color separations, halftone reproduction, line art and text.

#### Safelight Recommendation

Handle IRL 100 Film in a dark-green safelight environment until it is developed.

- Encapsulite® T20, ND .75 filter or equivalent. Keep the film at least 1,2 meters from the safelight. Do not expose the film to the safelight illumination for longer than two minutes.

## **Sizes**

IRL 100 Film is available in standard rolls, sizes and packaging to match the needs of imagesetters/recorders on the market.

## **Exposure Control**

The correct exposure intensity setting will vary according to processing conditions and the type of imagesetters/recorders used.

1. Use the procedure recommended by the equipment manufacturer to produce a series of tests at different exposure intensities.
2. Select the exposure intensity that gives a D-max according to the equipment manufacturer recommendation.
3. If required, use the calibration software by the equipment manufacturer to linearize film output.

## **Processing**

IRL 100 Film is compatible with the most diffused Rapid Access chemistries on the market.

For optimum results use Imageline DEV-HDC High Contrast Developer and Imageline FIX/C High Speed Fixer.

For best results maintain the fixer at the same temperature as the developer.

## **Processing Recommendations**

Before handling or using any chemical product be sure to read the Material Safety Data Sheet for health hazard data, precautionary information and suggested first aid.

Process	Time	Temperature	Replenishment Rate*
DEV-HDC Developer	30 seconds	35° C	400 ml/m <sup>2</sup>
FIX/C Fixer	30 seconds	35° C	400 ml/m <sup>2</sup>

Note : \* Replenishment rates are indicated for a 50% exposed film

Recommended Tanks Turnover per Week: Minimum of 0,5.

## **Storage**

For optimum results store IRL 100 Film in a flat position and light-tight package at temperatures no higher than 27°C with a relative humidity of 50%.

Do not store IRL 100 Film in areas exposed to radioactivity, chemical dust or fumes, or other forms of air pollution.

## **Additional Information**

For more information, contact COLENTA Labortechnik GmbH & Co. KG: [graphic@colenta.at](mailto:graphic@colenta.at)

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