

Product Information

Daylight Duplicating Contact Film.

Description

BCD Duplicating Contact Film is a positive-acting, extremely high contrast, ultraviolet (UV)sensitive film to produce high quality contacts positive-to-positive or negative-to-negative using ultraviolet exposure sources.

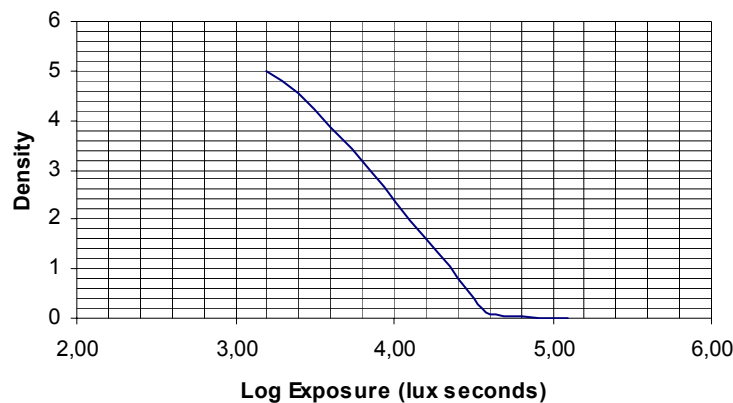
BCD Duplicating Contact Film is suitable for handling under roomlight conditions.

BCD Duplicating Contact Film is available on 0,10/4 mil and 0,18 mm/7 mil polyester base, standard and matt surface:

- BCD 100 (0,10 mm/4 mil, std surface)
- BDM 100 (0,10 mm/4 mil, Matte surface)
- BCD 180 (0,18 mm/7 mil, std surface)
- BDM 180 (0,18 mm/7 mil, Matte surface)

Features

- Positive-acting
- White light handling
- High maximum density
- Low minimum density
- Excellent image quality
- Hard Dot sharpness
- Antistatic base material
- Excellent dimensional stability
- Wide exposure latitude
- Wide processing latitude
- Outstanding room-light resistance
- Compatible with the most common Rapid Access chemistries on the market



Applications

- Duplicating negative and positive halftone separations and linework
- Multiple exposures to one-piece final films
- Through -the-base exposures
- Step and repeat work
- Spreads and Chokes
- Hardening low density halftone dots

Safelight Recommendation

BCD Duplicating Contact Film can be handled both before and after exposure in up to 40 foot-candles (430 lux) of subdued white fluorescent roomlight illumination substantially free of ultraviolet (UV) energy. Such illumination is supplied by yellow fluorescent lamps and also by white fluorescent lamps (warm white preferred) modified by UV absorbing diffusers. Other common roomlight sources contain varying amounts of UV energy and their roomlight tolerances for the BCD Duplicating Contact Film should be tested under the specific conditions of use.

Please, observe the above mentioned precautionary recommendations for better results, even if the BCD Duplicating Contact Film has been designed for use virtually without any safelight.

Sizes

BCD Duplicating Contact Film is available in standard sheets and roll sizes.

Exposure Control

Expose BCD Duplicating Contact Film in contact frames equipped with 0,5 to 1.5 KW metal-halide exposure source, 100 cm or more from the frame.

Optimum exposure should be determinate by means of a trial of the exposure series, following the equipment manufacturer's recommended procedures.

Processing

For optimum results use Imageline DEV-HDC High Contrast Developer (dilution 1:4) 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.

<i>Process</i>	<i>Time</i>	<i>Temperature</i>	<i>Replenishment Rate*</i>
DEV-HDC Developer (dil. 1:4)	30 seconds	35° C	450 ml/m ²
FIX/C Fixer	30 seconds	35° C	500 ml/m ²

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

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

Storage

For optimum results store BCD Duplicating Contact 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 BCD Duplicating Contact 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

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