

Product Information

Camera Halftone, Line & Contacting Film.

Description

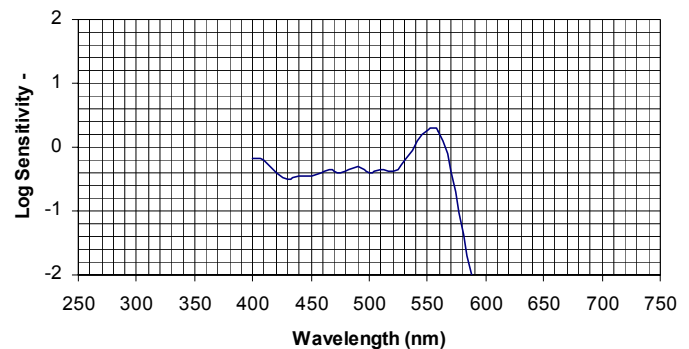
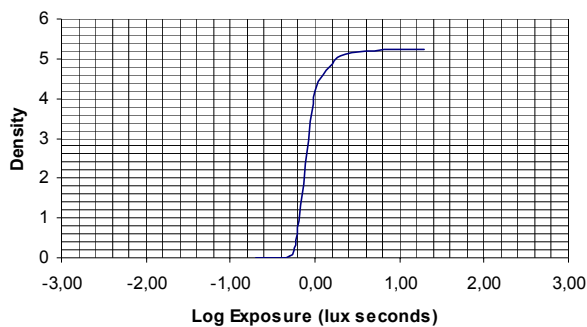
CL 100 Camera Film is a negative-acting, extremely high contrast, high speed film for halftone, line and contacting applications.

CL 100 Camera Film has an orthochromatic emulsion, it is available on 0,10/4 mil and 0,18 mm/7 mil polyester base, standard and Matte surface:

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

Features

- High maximum density
- Low minimum density
- Excellent image quality
- Hard Dot sharpness
- Excellent dimensional stability
- Wide exposure latitude
- Wide processing latitude



Applications

- Camera halftones
- Camera line work
- Camera copy dot
- Contacting applications
- Step and repeat camera work

Safelight Recommendation

Handle CL 100 Camera Film under Wratten #1A (red) filter in a suitable safelight lamp equipped with a 15 watt bulb. Keep the film at least 1,2 meters from the safelight.

Sizes

CL 100 Camera Film is available in standard sheets and roll sizes.

Exposure Control

Expose CL 100 Camera Film in reprocamera equipped with two 1500 Watt pulsed Xenon Lamps in reflectors about 1 meter from the center of the copyboard:

- Line work exposure: 8 seconds at f/22*
- Halftone exposure: 17 seconds at f/22 (by a Grey Contact Screen)*

* Exposure may vary according to reprocamera and processing conditions

Processing

For optimum results use Imageline DEV-HDC High Contrast Developer (dilution 1:2) 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.

Mechanised processing (by processor)

<i>Process</i>	<i>Time</i>	<i>Temperature</i>	<i>Replenishment Rate*</i>
DEV-HDC Developer (dil. 1:2)	30 seconds	35° C	400 ml/m ²
FIX/C Fixer	30 seconds	35° C	400 ml/m ²

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

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

Tray processing

1) DEVELOP in Imageline DEV-HDC Developer (dil. 1:2) with continuous agitation from 18°C to 27°C		
<i>Developer</i>	<i>Recommended time (minutes)</i>	<i>Useful range (minutes)</i>
Imageline DEV-HDC Developer (dil. 1:2)	From 1 ½ to 3 1/2	From 1 to 4

2) RINSE at 18°C to 27°C with agitation (Stop bath: diluted 4% acetic acid solution for 10 seconds).

3) FIX at 18°C to 27°C with frequent agitation for twice the amount of time that it takes to the film to clear.

4) WASH at 18°C to 27°C in running water for about 10 minutes.

5) DRY in a dust free place.

Storage

For optimum results store CL 100 Camera 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 CL 100 Camera 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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