

**Micrat-Orto Direct Duplicating** is new direct-reversal silver duplicating microfilm. It is a slow-speed film with medium contrast and very high resolution. The film enables direct-image duplicating, i.e. obtaining images with the same polarity as the master silver film, using conventional processing. Micrat-Orto Direct Duplicating film is produced on a clear PET base with a permanent antistatic backlayer.

#### FEATURES

The following features compare Micrat-Orto Direct Duplicating Microfilm with analogue products on the market:

- Slightly less sensitivity.
- Extremely high processing latitude or stability with changing processing conditions.
- Extremely high capacity, which means minimized chemistry consumption, offering ecological and cost advantages.
- Excellent daylight loading performance with daylight packaging.
- In the darkroom (necessary for unprotected film), for maximum convenience a red safelight may be used (Filter A3 or Wratten 1A).
- In different processing conditions, very transparent end result, even in conditions where other films can show residual dye color.
- Black image tone, while other films can look rather brownish.
- Extremely low minimum density (with correct exposure).
- Protection against external pressure and pick-offs.
- Permanent antistatic backlayer.
- Archival quality, when handled according to ANSI and ISO standards.

#### Photographic Properties

PET base

100 /lm (4 mil).

Spectral sensitivity

Orthochromatic (darkroom light: A3/Wratten 1A filter)

Resolving power

1000 lines/mm - TOC 1000:1. (*Note: This value should only be used as a basis for comparing film. In practice, most microfilm equipment cannot reach the limits required to reproduce this resolving power.*)

Diffuse granularity

5

Type of film

Silver halide

#### Anti-static back layer

A special permanent anti-static back layer prevents electrostatic charges from accumulating. The immediate isolation of electrostatic charges results in a dust-free film which, in turn, results in high quality masters and duplicates, and greatly enhanced legibility in the reader.

#### Storing unexposed film

Unexposed film can be kept for the length of time indicated on the packaging, provided that the film is stored under normal conditions, i.e. at a temperature below 22°C (72°F) in a relative humidity of 40-60%.

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