

Technical Data for Bankers Surveillance Film

MACO P.E.T. 400

The special requirements of the bankers surveillance, like high sharpness, for the license plate recognition, as well as very good fineness of grain, for the recognition of the persons, were taken into consideration with the concept of this film. The MACO P.E.T. 400 owns a high exposure reserve for the application with difficult lighting conditions or at multi lane driveways. The practical sensitivity area lies between ISO 400/27° and ISO 800/30°. Practice tests have shown, that the film can be exposed up to ISO 3200/36°.

Qualities:

- panchromatic black-and-white negative film;
- large latitude with high exposure reserve for the application with all lighting conditions and weather terms;
- special coating for the improvement of the film transportation qualities in the cameras;
- use with daylight, as well as with artificial light, are unconditionally possible;
- polyester base with high breaking strength and resistance of tearing;
- the large contrast area guarantees the reproduction of most different tonality;
- very good resolution, very fine grain and very high sharpness, as basis for negatives with an excellent quality;
- especially suitable for digital evaluation over scanner;

Technical Data

Film layer: dimension – containing, tear-proof polyester, 100µm crystal-clear

Filmstructure:

- Emulsion side: protection – layer + emulsion layers + PET base 100µm
- Back side: NC protection coating

Whole layer strength: (without layer base) 7,5µm

Sensitivity: ISO 400/27°

Grain size: RMS grain at density 1,0 and with a measuring aperture 48µm diameter < 18

Resolution power: contrast: 1000:1 lp/mm: 160

Darkroom lighting:

The MACO P.E.T. 400 film is to be processed in complete darkness.

Black shield effect:

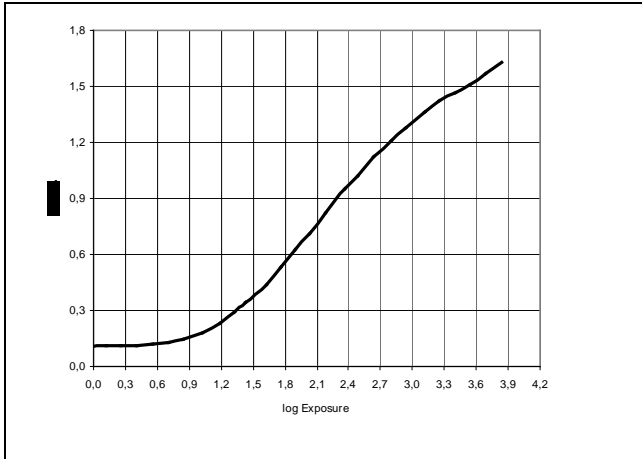
Exposure reading in seconds: $1/10000 - 1/2$
Exposure correction in steps: not necessary
Correction of developing time: not necessary

Storage:

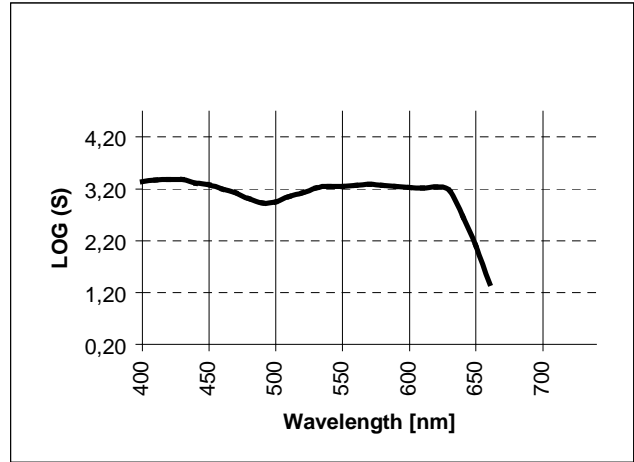
- unexposed film: up to 24 month, a cold storage is recommended
- exposed film: after exposures, process as soon as possible

DIAGRAMS:

Characteristic curve:



Density curve:



Density curve:

Flash light: 1/2700 sec.
 Developer: ROLLEI RHS, 8,75 min, 20°C
 Densitometrie: Visual filter

Processing:

Tank development 20°C Deep tank/Hanger 20°C Rotation dev. 26°C

ILFOTEC RT RAPID		80s
SPUR TRAFFIC SPEED		75s/28°
ROLLEI RHS High Speed	8,75 Min.	
LABOR PARTNER NEGASTAR		80s/25°

ILFORD , ROLLEI, LABOR PARTNER und SPUR are protected brand names.

The MACO P.E.T. 400 Film must be processed within complete darkness. The MACO P.E.T. 400 Film can be processed with customary developers by e.g. AGFA, KODAK, SPUR and ROLLEI successfully. For reaching the of optimum results, a test development is recommend to determine the correct developing times, or developing temperature. By the use of others, not from MACO checked developers, it can come to reductions of quality, by coarsing grain, and point to lower sensitivity exploitation. These disadvantages are based on not using of suitable photo chemistry. For the regulation of optimum developing times, pre - exposed test stripes are available.

Packaging:

35mm - 17,0m perforated	Article No.: PT4017
35mm - 17,0m unperforated on core	Article No.: PT4019
35mm - 17,0m perforated on reel	Article No.: PT4020
35mm - 30,5m perforated	Article No.: PT4031
35mm - 30,5m unperforated on core	Article No.: PT4035
35mm - 30,0m perforated on reel	Article No.: PT4036