



FOMAPAN 100/ FOMAPAN 400 black & white negative film type 135/36 5x film on spool + 1x film in a plastic cartridge

Black & white negative films with medium and higher optical sensitivity

Content of the package:

- 6 pieces of light impervious black containers
- 5 containers containing 5 pcs of the perforated 35 mm films of FOMAPAN 100/400, type 135-36; way of packing: film wound around standard central spool **without cartridge**, secured against unrolling by a flexible rubber band.
- 1 container containing 1 piece of the perforated 35 mm film of FOMAPAN 100/400, type 135-36; way of packing: film wound around standard center spool **in a plastic cartridge** for multiple use (easy disassembly and assembly by top closure - screw cap); **the film with this cartridge is possible to use immediately for shooting**, or insert into chamber of any type of camera.

Indication of correct distinguishing of the films' packing

- 1) The films finished without cartridges (5 pcs) are placed in safe film packages - black containers marked with a label showing the characteristics of film's type. **ATTENTION: - the film can be removed from this container in total darkness only!**
- 2) The film finished with cartridge (1 pc) is placed in the same black container as all other films, also marked with the identical label with the characteristics of film's type, additionally marked with yellow dot on the cap.

Procedure for handling of the films on spool without cartridge

- 1) Prepare suitable space that is completely protected from lighting (complete darkness!):

a - interior: a dark room or a place that can be completely darkened
b - exterior: light-proof sleeve ("bag"), etc.

This set does not contain any empty cartridge but cartridge with film - that is why this has to be used first before using of the films on spools without cartridges.

- 2) In common lighting conditions (but not direct sunlight): open the container with the film and the cartridge (marked with the yellow dot on the cap) and then insert it into camera and expose it. After completing the shooting and rewinding the film back, remove the film from the cartridge in complete darkness after unscrewing its top cap. Still in the dark, transfer the film to the light-tight container, in which the film was placed. This empties the cartridge in which this film was placed, making it ready for next use, i.e. loading another film on the center spool.

- 3) In complete darkness open the container with another film - without the cartridge and remove the film from it. Then carefully remove the rubber band from the film's roll and still in the dark insert the film in correct way ** into the prepared, open, empty cartridge in which the exposed first film was placed previously. Then screw the cartridge tightly with the cap. After that, you can handle with it as with the film with cartridge.

****Check the right orientation when loading the film: higher protrusion of the cartridge front (can be recognized by touch) must protrude from upper part of the cartridge, i.e. above its removable cap.**

In case of intention to use more pieces of the films for continuous taking photos indoors and especially outdoors, complete darkness is not a necessary condition when handling the films during photography process, and this is in case of availability of the additional films' cartridges of type 135 suitable for this purpose. So it is possible even before photographing, insert all these films safely in the darkroom and close them light-tight in these cartridges and then expose them to common lighting as the first film in the cartridge of this set.

Important Notice

Due to way of handling of the film's cartridge and its repeated use, we recommend using this cartridge only for the stated quantity - 6 pieces of the films in this set. For the same reason, we recommend, especially for the 4th to 6th inserted film in the identical cartridge, to expose the film from the 3rd frame only. This eliminates or significantly reduces risk of exposing the film, or unwanted local blackening of the exposed and developed images' frames.

Films' processing/developing:

Developing films in developing tank is recommended. **When processing films in photo lab, operators need to be alert to the absence of the film's cartridge!**

DEVELOPER	FOMAPAN 100 / developing time (min) at 20 °C	FOMAPAN 400 / developing time (min) at 20 °C
Fomadon LQN (1+10)	7-8	9-10
Fomadon LQR (1+10)	5-6	7-8
Fomadon R09 (1+50)	9	12
Fomadon P	7-8	10-11
Fomadon Excel	5-6	7
Universal Developer (1+3)	5	7,5

Fixing: Fomafix P 10 min, Rapid Fixer - Fomafix 3 min at 20 °C

Washing: with running water 30 minutes at wash water temperature under 15°C or 15 minutes at wash water temperature higher than 15°C

Stored in dry place at the temperature of 5-25°C. The exposed film should be developed as soon as possible.