

DATA SHEET

INSTANT PHOTO SYSTEMS

FUJI INSTANT BLACK & WHITE FILM FP-100B SUPER

1. FEATURES AND USES

FUJI INSTANT BLACK & WHITE FILM FP-100B SUPER is a peel-apart panchromatic material designed for camera back incorporated photographic equipment and cameras which accept instant film packs yielding 85 x 108 mm pictures. Being designed to provide sharp images through fine gradation delineation and grain quality, this film is fully applicable for numerous uses such as professional and commercial imaging, identification photography, SEM and similar CRT recording, close-up and copy work etc.

2. SPECIFICATIONS

Film Speed	• EI 100/21°
Color Sensitivity	• Panchromatic
Photo Surface Finish	• Glossy
Coating	• Unnecessary
Number of Prints	• 10 per pack

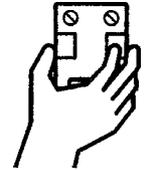
Size	8.5×10.8 cm (3 1/4×4 1/4 in.)
Image Area	Approx. 73×95 mm
Photo Size	Approx. 85×108 mm
Film Pack Size	Approx. 88×134×18 mm
Applicable Camera and Other Photo Graphic Equipment	FUJI INSTANT CAMERA FP-14/FP-14II/FP-14 DUAL Cameras and other photographic equipment that accept instant film with a photo size of 85×108 mm, and those provided or fitted with an instant camera back (e.g. Fuji Instant Back PA-1) and Fuji Instant Holder PA-145.

3. PRECAUTIONS DURING USE

Camera Loading Precautions

- Before loading the camera, check the development roller and clean it if dirty.

- Hold the film pack by the edges, as indicated. Do not apply any pressure to the black covering paper or the "Do not press here" mark on the back.



- Always load the camera in subdued light avoiding direct sunlight.
- Hold the film pack with the film side parallel to and facing the exposure plane and then lower the non-tab end first into the camera back followed by the tab end.
- After loading, make sure that the white tab is not folded between the film pack and camera back, then close and lock the rear cover.
- Pull out the black covering paper bringing with it the first white tab, and the camera is ready to use.
- For further exposure and handling precautions, refer to the instructions supplied with the particular camera.

Development Times and Temperatures

- This film is designed for use at temperatures between 15°C and 35°C (59°F and 95°F), but yields best results at 25°C (77°F).
- The table below provides the development times for this film according to encountered temperatures. For best results, be sure to observe the following development times and temperatures after pulling out the film sheet. Do not attempt to separate the negative and positive sheets before the temperature specified times indicated below have elapsed.

Temperature °C (°F)	24 to 35 (75.2 to 95)	20 (68)	18 (64.4)	15 (59)	10 (50)
Development Time (sec.)	30	40	50	60	90
Exposure Compensation	-	-	-	+1/3 stop	+1/3 stop

- If development times are shorter than specified or longer than 8 minutes, undesired photos may result.

Development Procedures

- Hold the white tab and pull it straight out bringing the black tab through the film exit.
- Hold the center portion of the black tab, and pull it out at an even speed. Be sure to pull the black tab in a direction within the film plane. If pulled in a slanting direction, the white tab may break inside the film pack. When pulling, do not bend, fold or press the film and do not stop pulling before it is entirely removed from the camera, or undesired results, such as processing fluid leakage, incomplete processing fluid spread or image unevenness may occur.
- When film has been removed from the camera, start development time measurement immediately. Do not rub, fold or separate developing films or undesired spots may appear on finished photos.
- After the specified development time has lapsed, separate the negative and positive sheets at a fixed but rapid speed, starting with the black tab end.
- The photo will be moist immediately upon separation. Moist photos should not be placed on other photos or paper lest they stick. When immediate use is essential, dry photos using a dryer.
- If the white tab does not protrude from the camera, open the camera rear cover in subdued light, pass the white tab through the white tab exit and close rear cover. The remaining films can be used as they are if correctly set.
- If the black tab does not come out when the white tab has been completely pulled out, open the camera rear cover in subdued light and pull the film out by the black tab. (The film that is removed in this manner cannot be used again, but the remainder can be used.) If the development roller and film exit are found to be dirty, clean them before closing the rear cover.

4. FILM HANDLING PRECAUTIONS

CAUTION

- Each film sheet contains a caustic (highly alkaline) processing fluid. Never cut, tear or punch holes in unused films. Avoid skin contact with this processing fluid.
- Peeled-apart negative sheets should be folded inward upon themselves when discarded. When discarding negative sheets and other waste materials, be sure to avoid contact with children, pet animals, paper, clothes, furniture and other important objects or materials.
- Should you get some of this processing fluid on your skin, flush it off immediately with lots of water. If any of the fluid gets into your mouth or eyes, flush the affected area immediately with lots of water, then see your doctor.

- Photographic properties may change with time. Be sure to use the film before the expiration date on the package.
- Avoid opening a film pack or loading a camera under direct sunlight. After opening the film, do not leave it in a bright place. Load it into the camera as quickly as possible.
- When handling a film pack, do not put pressure on the light-shielding cover sheet or within the slots on the rear of the pack. This may cause a film-ejection failure or unevenness in the photo.
- Unprocessed film should be kept away from X-rays used to inspect checked-in baggage, etc. at airport terminals. Strong X-rays can cause fogging of unprocessed film. It is recommended such film be placed in your carry-on baggage whenever possible. (Consult with airport personnel for details.)
- Film fogging may occur in hospitals, factories, laboratories and other locations using X-rays. Keep films away from radiation sources.

5. FILM STORAGE

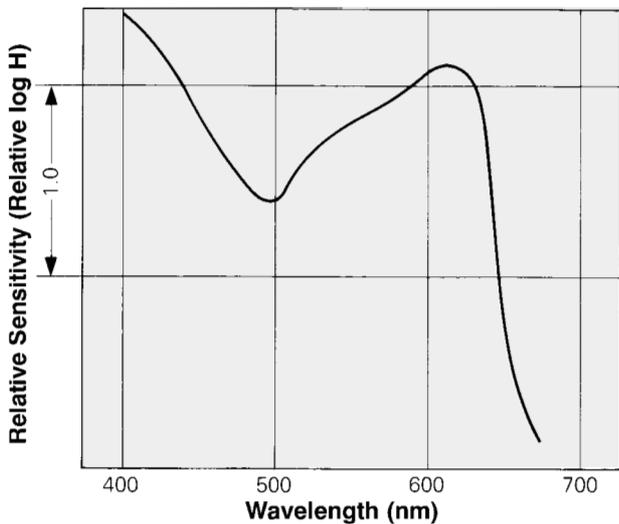
- The photographic and physical properties of film are adversely affected by high temperature and humidity, as well as by formalin vapor and other harmful gases. To minimize these adverse effects, film should be stored in a dry, well-ventilated place.
- For long-term storage, keep film in a refrigerator [at a temperature below 10°C (50°F)]. Place opened film packs into polyethylene or vinyl bags before refrigerating them.
- After removing film from a refrigerator, you should wait (at least 12 hours) for it to reach room temperature before opening it. If you open the film while it is still cold, it may be adversely affected by condensation.
- After loading film into a camera, you should expose it as soon as possible.
- Cameras loaded with film should be stored with as little exposure as possible to harmful gases, high temperatures, and high humidity. New building materials (such as coated plywood) and newly-manufactured furniture, paints and bonding agents are a possible source of formalin vapor. Do not store loaded cameras or film within their vicinity.

6. PHOTO STORAGE

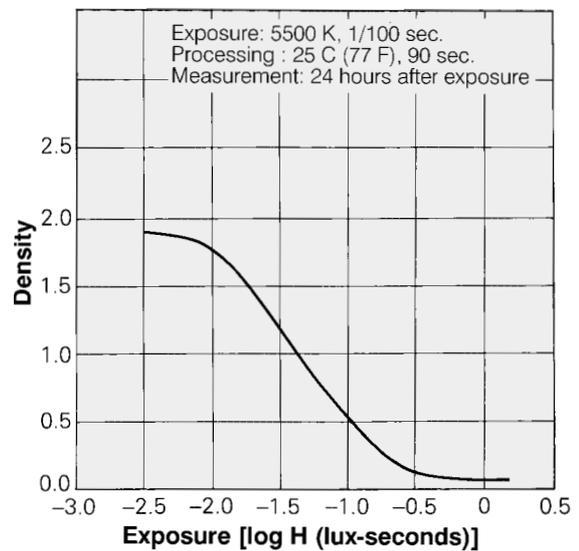
- The quality of finished photos will change during storage if exposed to strong light, high temperatures, and high humidity. Photos are also affected by exposure to certain gases. For optimum preservation during long-term storage, keep photos in a dark, dry and well-ventilated location away from harmful gases.
- As with all sensitive materials, images produced on this film are subject to discoloration or fading with time. The Fuji Photo Film Co. disclaims any responsibility for any discoloration or fading that may occur with this film.

- Certain adhesives may cause color dyes to discolor or fade when used to mount photos. Liquid glues may permeate the mounting sheet, causing mounting sheets to adhere to each other when stacked. It is recommended that glue sticks be used instead. When using liquid glues, it is recommended that only a light coating of glue be applied and that the glue be confirmed dry before storage.
- When keeping photos on file, avoid direct image-to-image contact, especially with photos that are still moist. Such contact may cause irreparable damage. When storing photos, completely dry them and exercise care so that they are not placed one on top of the other or front to front.

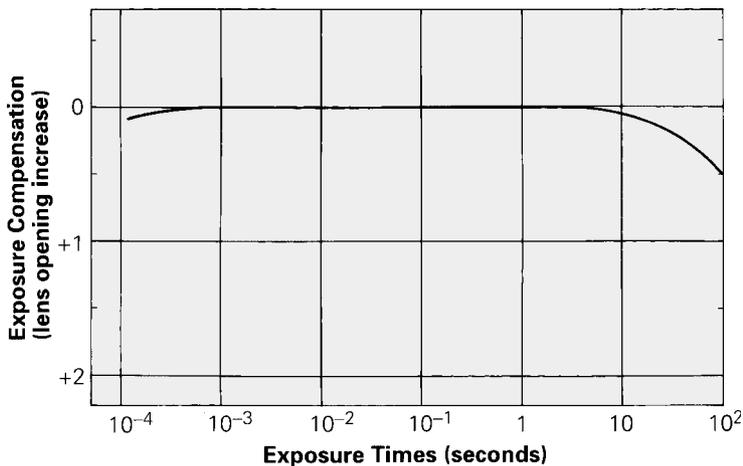
7. SPECTRAL SENSITIVITY CURVES



8. CHARACTERISTIC CURVES



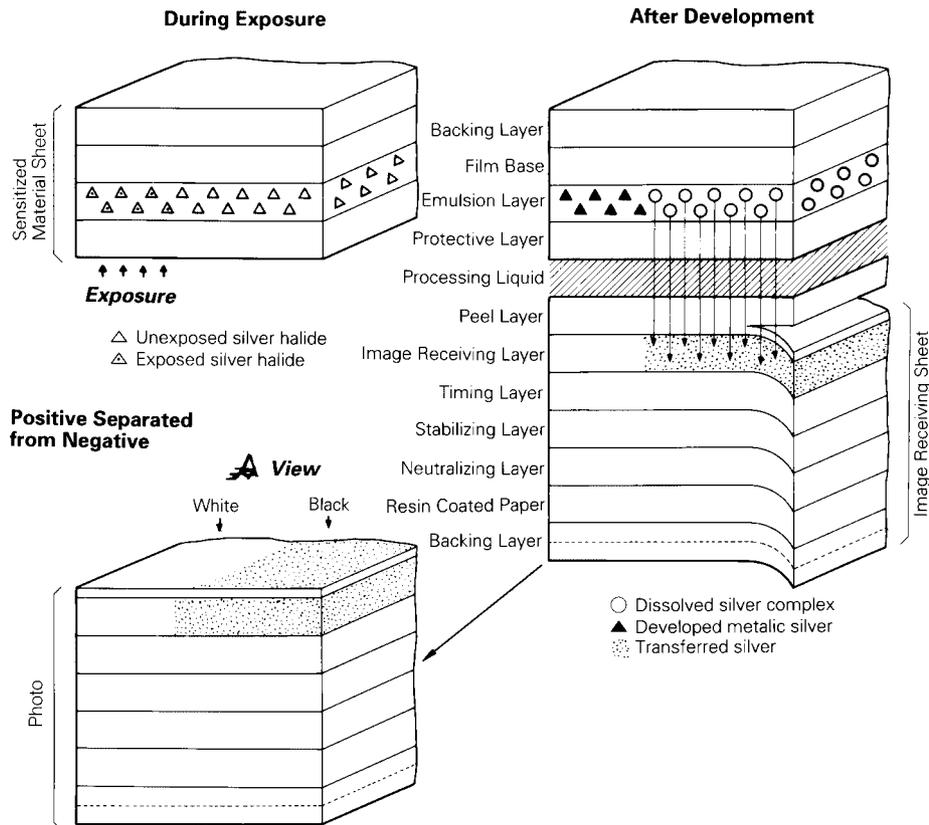
9. RECIPROCITY CHARACTERISTIC CURVE



10. RESOLVING POWER

25 lines/mm

11. SCHEMATIC CROSS SECTION



NOTICE The data herein published were derived from materials taken from general production runs. However, as Fujifilm is constantly upgrading the quality of its products, changes in specifications may occur without prior notice.