

Fujicolor Positive Film F-CP

35mmType 3510/16mmType 3610

Advanced image quality and handling ease for total cinematic versatility.

General Properties

Fujicolor Positive Film F-CP is a high-resolution, fine-grain color positive film capable of rich gradation and lifelike color reproduction. It is used to produce color release prints from original camera film or color intermediate film, The emulsion layers are color-balanced for making prints from color mask incorporated color negative film or color intermediate film. The black backing layer, which produces a colored waste solution when washed with water, is removed from this film. The film incorporates newly incorporated antihalation and antistatic layers. It also employs a rugged polyester (PET) base which will undergo only a slight change in size.

Film Base

The polyester (PET) safety base does not allow splicing with film cement. Use splicing tape or an ultrasonic splicing device for splicing.

Safelight

This film should be handled at a distance of 1m (3 1/2ft) or more from a 10-watt electric bulb by the use of a Fuji Safelight Filter No.101A (dark orange) for color positive film. When the film is exposed to safelight for prolonged periods of time, a sufficient test should be performed to ensure safety.

Printing

• Image

When prints are to be made from Fujicolor negative film (processed UL bleach) using a printer with an additive color light source, such as Bell & Howell Model C, the printer conditions are approximately as follows.

Printer light source: 1000W, DC70V

Filters: Fuji Filter SC41+Heat-absorbing Filter No.2043

Printer speed: 55m/min (180ft/min)

Printer settings:

Light	Trimmer	Tape	ND Filter
Red	15	25	0.50
Green	15	25	0.55
Blue	15	25	0.90

Aim Print Density: Normally expose a negative film normally to 18% reflectance gray card and process the negative film under standard conditions. Print the negative image of the gray card onto the Fujicolor positive film. Fine adjustments should then be made to the printer settings so that the following density values of status A may be obtained with the gray card on the positive film.

(The aim density values are based on the assumption that the film will be projected with a xenon lamp projector.)

R1.10 G1.05 B1.05

- **Analog Sound Track**

Insert Fuji Filter SC-50 in the light path of the printer to record a sound image in the top two emulsion layers. The optimum density of the variable-area type sound track of the color positive film is determined by the combination of its density and the sound track density of the sound negative film. Obtain the optimum density of the variable-area type sound track by performing a cross modulation test. The sound track density of color positive film usually ranges from 1.1 to 1.6 when measured at a wavelength of 80nm.

- **Digital Sound Track**

Refer to the specifications of each digital recording system.

Processing

Fujicolor Positive Film F-CP is designed to be processed in Process ECP-2B for Eastman Color Print Film. The process steps of prebath and rem-jet removal & rinse may be omitted.

Edge Markings

Film identification marks (FUJICOLOR, Type No, Lot No, Roll No, Slit No and Perforating Machine No) are printed as latent images. For edge markings, a magenta coloring is used in order not to interfere with the SDDS soundtracks.

Raw Stock Storage

Like other color films, Fujicolor Positive Film F-CP may undergo certain changes in photographic properties when stored for extended periods. Since these changes can be accelerated, particularly through the action of heat and moisture, it is recommended that raw stock be stored at temperatures below 13 °C (55.4 F) in the package. A package containing film that has been refrigerated should remain sealed until it reached equilibrium with the ambient temperature. If packages are opened too soon, moisture from outside the package may condense on the film surface before and during use.

Exposed Film Handling

Exposed films should be processed as soon as possible. If exposed films cannot be processed within three days of exposure, they should be stored at temperature below 10 °C (50F) and processed as soon as circumstances permit.

Processed Film Storage

Fujicolor Positive Film F-CP is designed to resist color fading. However, to avoid changes in dye image due to high temperatures and humidities during prolonged storage, it is recommended that processed films be kept at a temperature of 15 °C (59F) with 30% to 40% RH for long-term storage (about 100 years), and at a temperature of 20 °C (68F) with 40% to 50% RH for medium-term storage (about 50 years).

Furthermore, it is also recommended that processed films in storage should be checked by visual inspection for changes (e.g. deformation, color fading, adhesion, mold) at intervals of a few years.