



FUJICOLOR NEGATIVE FILM A 250  
35mm TYPE 8518 • 16mm TYPE 8528

**General Properties**

This is an ultra-high speed color negative film for motion pictures having an exposure index of 250. It is color balanced to a 3200K tungsten light source and incorporates automatic color masking through the use of colored couplers. Even with its high speed this film provides fine grain, high definition, wide exposure latitude and natural color reproduction. It is suitable to all kinds of motion picture uses but it is especially suited to indoor and outdoor uses under low light level conditions including special applications such as night time, underwater and high-speed photography. When this film is printed on Fujicolor Positive Film or other similar color print film excellent image qualities are to be derived.

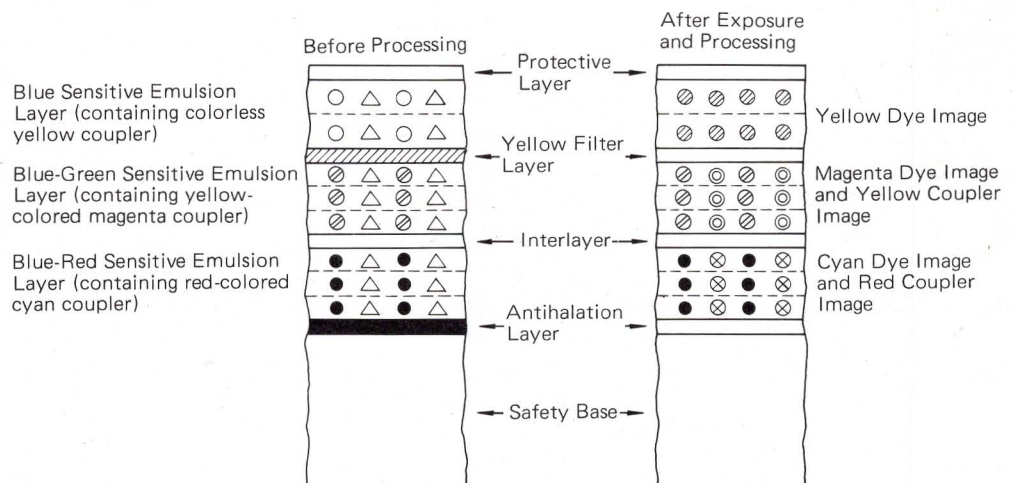
**Exposure Index**

3200K Tungsten Lamps . . . . . **250**  
Daylight . . . . . **160** (with Fuji Light Balancing Filter LBA-12 or Kodak Daylight Filter No. 85)

These numbers are appropriate for use with exposure meters marked for ASA speeds. Since these exposure indexes may not apply exactly as published due to differences in exposure meter usage and processing conditions, it is recommended that for best results exposure tests be made prior to use.

**Film Structure**

This film is composed of three emulsion layers being sensitive to blue, green and red light respectively. Beside these a protective layer, a yellow filter layer, an antihalation layer and other layers are all coated on a clear safety base. Incorporated in each one of the color layers is a specific coupler and through processing, color dye and color mask images are formed in the emulsion layers. Through the effects of this resulting orange colored mask, correct color rendition is assured when this film is printed on color positive film for making color release prints.



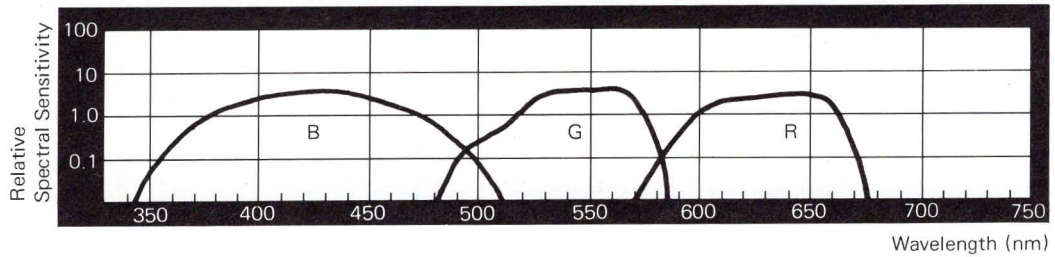
**Exposure**

Since this film is color balanced for 3200K tungsten illumination, under such photographic conditions the use of light balancing filters is not necessary but under daylight conditions the use of a Fuji Filter LBA-12 (or a light balancing filter of similar characteristics) is required. Exposure under tungsten light at 24 frames/sec will require the following lens openings and illumination levels at an exposure time of 1/50th of a second.

Lens Aperture	f/1.4	f/2	f/2.8	f/4	f/5.6	f/8	f/11
Foot-Candles	10	20	40	80	160	320	640

**Spectral Sensitivity Curves**

Spectrogram to Tungsten Light (3200 K)



**Safelight**

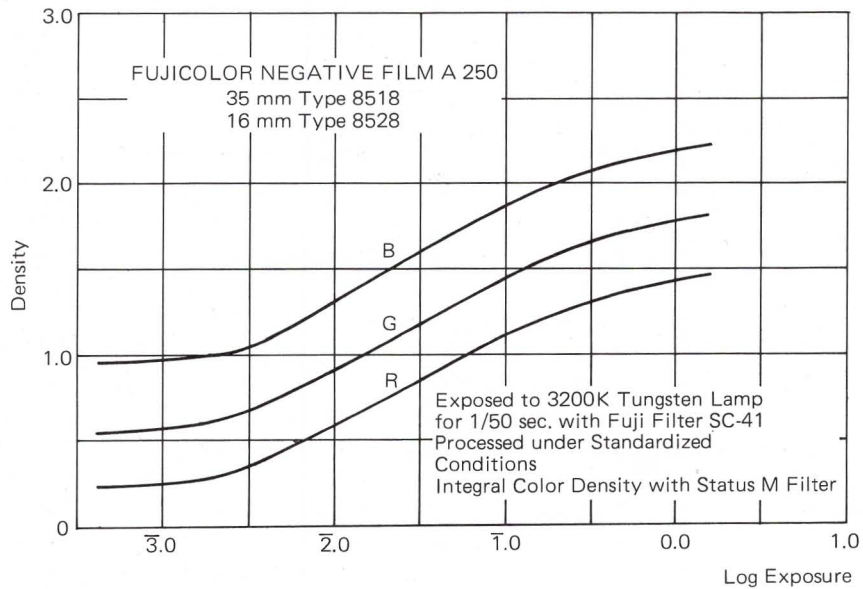
Handle in total darkness.

**Processing**

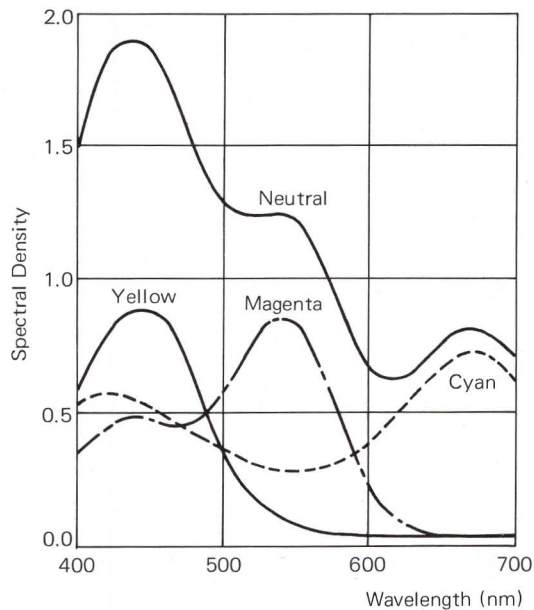
Processing is to take place in accordance with designated conditions and formulas provided for Fujicolor Negative Film and Fujicolor Negative Film A 250. Further, processing may also take place under Process ECN-2 conditions and formulas published by the Eastman Kodak Company for Eastman Color Negative II Film.

**Characteristic Curves**

In order to attain conditions closest to actual photographic orientations exposure was made under a 3200K tungsten light source through a Fuji SC-41 ultraviolet absorbing filter. Processing was carried out under standardized conditions and the three color densities were measured with the results indicated in the graph below.



### Spectral Density Curves



### Film Base

Clear safety base (TAC)

### Edge Markings

35 mm Edge number, frame mark and film identification mark (N8) are all printed as latent images.  
16 mm Edge number and film identification mark (N8) are printed as latent images.

### Perforation Types

35 mm N-4.740 mm (BH-1866)  
16 mm 1R-7.605 mm (1R-2994) and 2R-7.605 mm (2R-2994)

### Packaging

35 mm 61 m (200 ft), Type 35P2 core  
122 m (400 ft), Type 35P2 core  
305 m (1000 ft), Type 35P2 core  
16 mm 30.5 m (100 ft), Camera spool for daylight loading (B winding for single perforation film)  
61 m (200 ft), Camera spool for daylight loading (B winding for single perforation film)  
122 m (400 ft), Type 16P2 core (B winding for single perforation film)  
366 m (1200 ft) x 2 rolls, Type 16P2 core (B winding for single perforation film)

### Storage of Raw Stock

Fujicolor Negative Film A 250, like other types of color films, may undergo some changes in photographic properties as a result of extended storage. As these changes can be accelerated particularly through the action of heat and moisture it is recommended that raw stock be stored at temperatures below 10°C (50°F). When refrigerated raw stock is to be used, leave the package sealed until the film temperature is brought into equilibrium with room temperature, otherwise condensation of water on the film surface may result.

### Handling of Exposed Films

It is recommended that exposed films be processed as quickly as possible after exposure. When it is not possible to process immediately after exposure, film should be stored in the same manner as raw stock until processing can take place.



**Storage of  
Processed Films**

Processed Fujicolor Negative Film A 250 should be kept in a cool, dark place fully protected against heat, moisture and light. It is preferable for such storage purposes that temperatures will not exceed 20°C (68°F) and the relative humidity will remain in the 40 to 50 percent range.



**FUJI PHOTO FILM CO., LTD.**  
26-30, Nishiazabu 2-chome, Minato-ku, Tokyo 106, Japan