

Film Data Sheet
500 Integral Color Print Film
(previously sold as Captiva/95 Film)



Film Speed

ISO 640/DIN 29

Format

4³/₈ x 2¹/₂ in. (11.1 x 6.4 cm)

Image Area

2⁷/₈ x 2¹/₈ in. (7.3 x 5.4 cm)

Finish

Glossy

Exposures per Unit

10 exposures per pack

Development Time

2 minutes approximately

Description

General-purpose, high-speed, medium-contrast, integral film for high definition instant color prints. It is balanced for daylight and electronic flash exposure.

Key Applications

- Amateur photography
- Promotional photography
- Photographic souvenirs

Compatible Hardware

- JoyCam Instant Camera
- P-500 Digital Photo Printer
- Captiva Instant Camera
- C-211 Zoom Digital Printing Camera

Special Treatment

None

Alternative product

None

Caution

This film uses a small amount of caustic paste. If any paste appears, avoid contact with skin, eyes and mouth and keep away from children and animals. **If you get some paste on your skin, wipe it off immediately, then wash with water to avoid an alkali burn.** If eye contact occurs, quickly wash the area with plenty of water and see a doctor. Do not cut or take apart pictures or battery. Do not burn battery or allow metal to touch terminals.

Limited Warranty

See information on the film box.

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500 Integral Color Print Film



The information in this data sheet represents the typical performance of Polaroid's 500 integral color print film. However, there may be some variation between film lots.

Recommended speed:
ISO/DIN 640/29⁰

Recommended processing time and temperature:
Approximately 3 minutes
at 70°F/21°C

Balance:
Daylight and electronic
flash (5500°K)

Contrast:
Medium

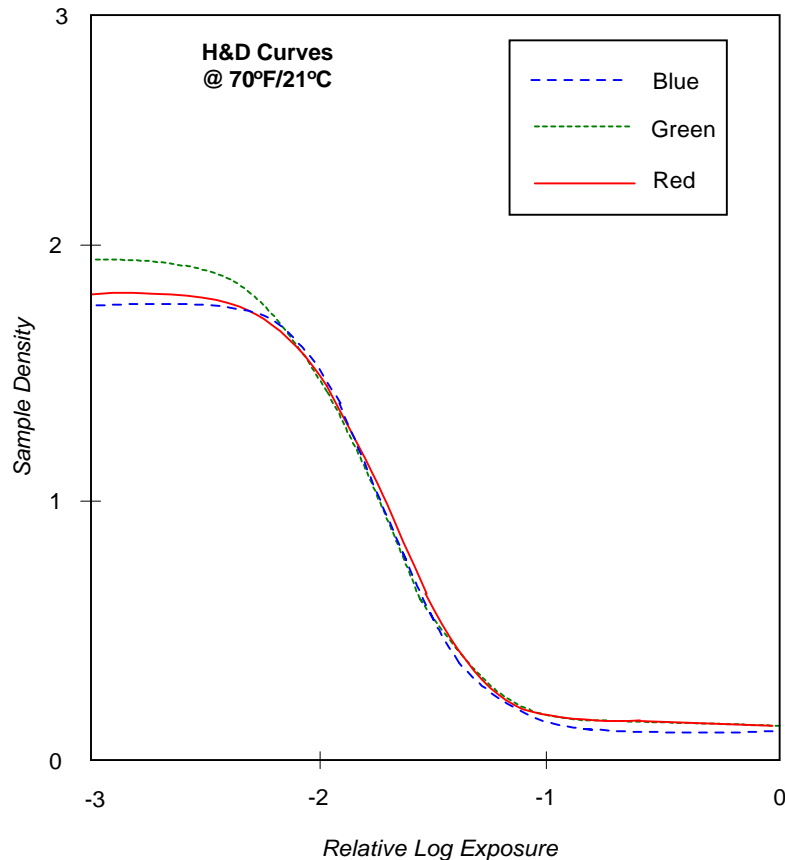
Resolution (1000:1):
7-10 line pairs/mm

D-Max: The density value for the film's darkest black.

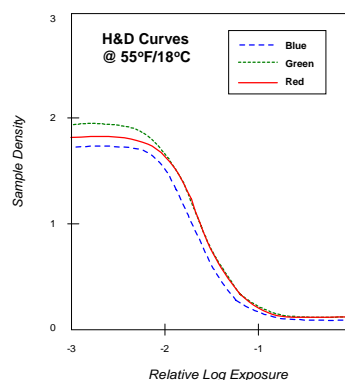
D-Min: The lowest density value that a film exhibits. In prints, the whiteness of the brightest highlight, relative to the unprocessed print.

Slope: The positive ratio of the log E increments of the straight line region of the curve, as determined by the 1/4-3/4 increment method. The slope of an H&D curve indicates the overall contrast of a film: low contrast slopes less than 1.10; medium contrast slopes from 1.10 to 1.70; high contrast slopes greater than 1.70.

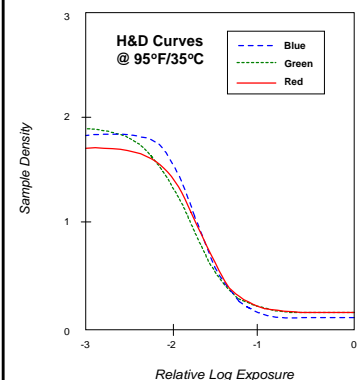
Characteristic H&D curve for
normal development



Characteristic H&D curve for
cold development



Characteristic H&D curve for
hot development

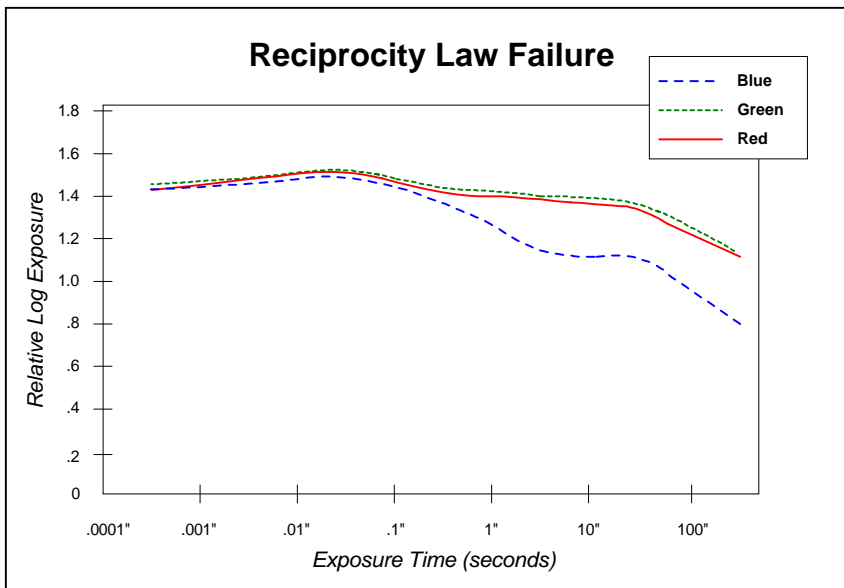




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Reciprocity law failure

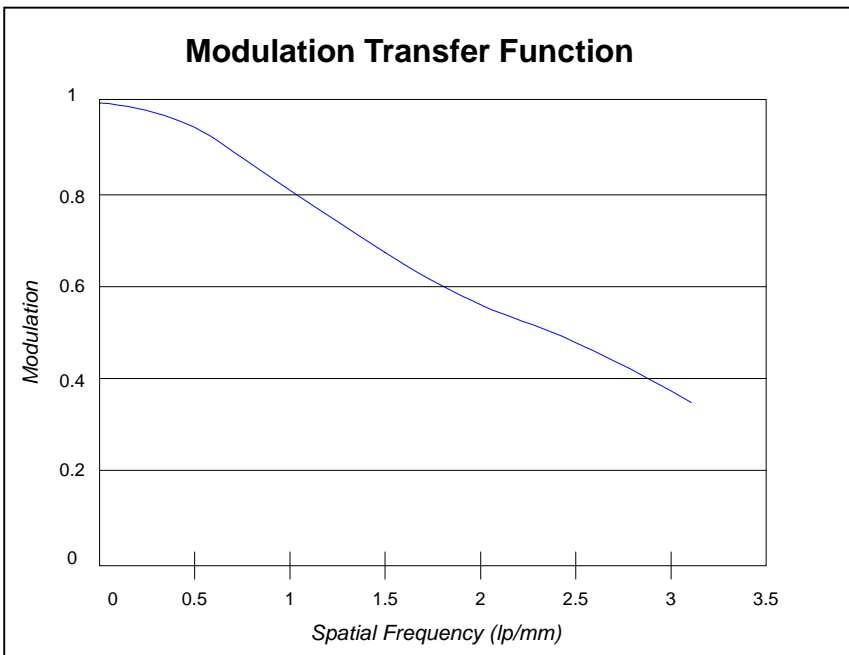
A wide range of shutter speeds can be used without loss of film speed or requirements for color filtration. For longer exposure times, some exposure compensation and filtration is suggested.



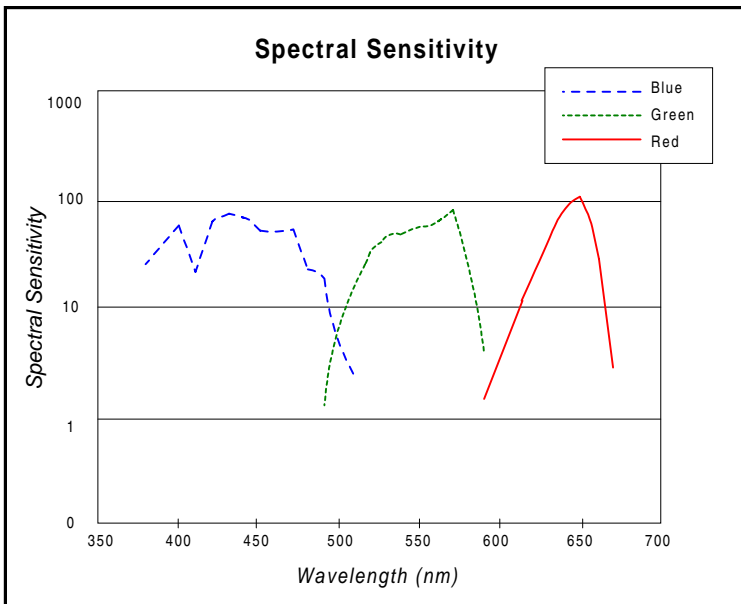
Reciprocity

The ability of the film to respond in a constant manner to a constant exposure (light intensity x time).

Reciprocity failure occurs during very long or very short exposures, requiring the photographer to increase exposure.



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Spectral Sensitivity: Shows the equivalent energy needed at each wavelength in order to activate the emulsion so that it produces a neutral density of .75.