

Film Data Sheet
T-600
Integral Color Print Film



European Name

600 Extreme
Integral Color Print Film

Film Speed

ISO 640/DIN 29

Format

3¹/₂ x 4¹/₄ in. (8.9 x 10.8 cm)

Image Area

3¹/₈ x 3¹/₈ in. (7.9 x 7.9 cm)

Finish

Glossy

Exposures per Unit

10 exposures per pack

Development Time

3 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. Compared to previous T-600 film chemistry, 600 film has superior color performance, sharper images and better overall exposure performance.

Key Applications

- Home or family photography
- Insurance photography
- Site & construction documentation
- Promotional photography
- Photographic souvenirs
- Medical imaging (clinical documentation)
- Manufacturing (ISO 9000 documentation)

Compatible Hardware

All 600 series cameras, including:

- Impulse
- Cool Cam
- OneStep camera series
- 600 Business Edition
- JobPro

Special Treatment

None

Alternative product

T-779

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 take apart pictures or battery. Do not burn battery or allow metal to touch terminals. Polaroid recommends waiting 24 hours after photo is emitted from camera before cutting or cropping.

Limited Warranty

See information on the film box.

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T-600 Film Family



The information in this data sheet represents the typical performance of Polaroid's T-600 film family. 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

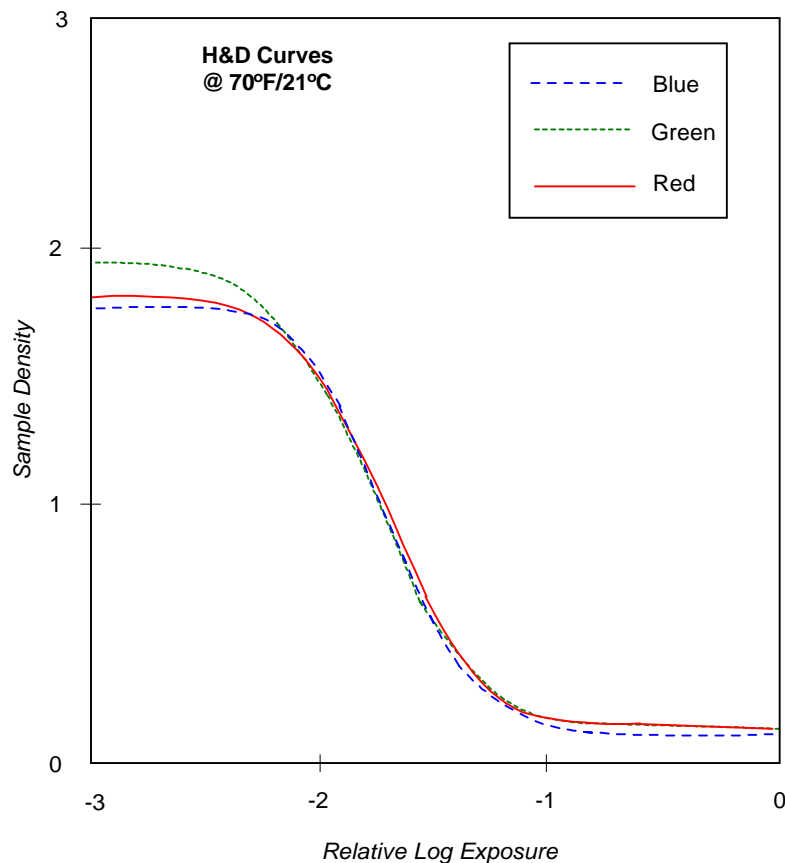
Resolution (1000:1):
7-10 line pairs/mm

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

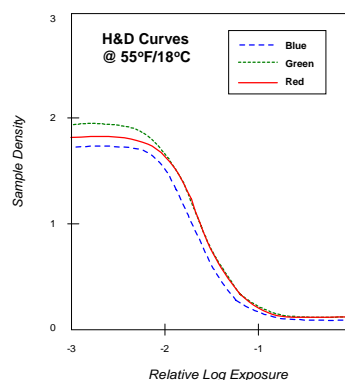
D-Min: The lowest density value that a film exhibits. In prints, the whiteness of the brightest highlight, relative to the unprocessed print.

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.

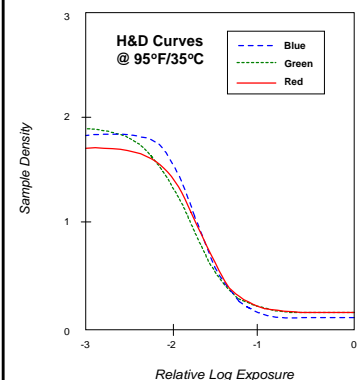
Characteristic H&D curve for
normal development



Characteristic H&D curve for
cold development



Characteristic H&D curve for
hot development

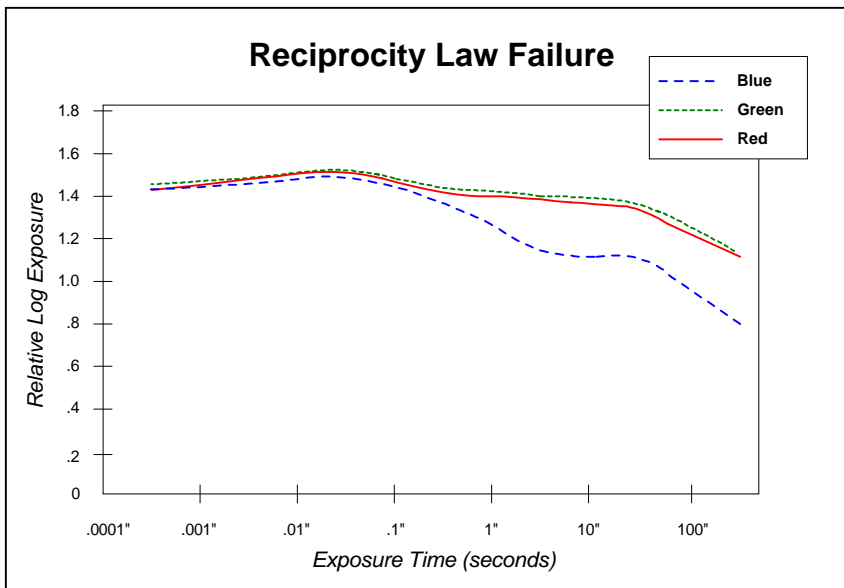


T-600 Film Family



Reciprocity law failure

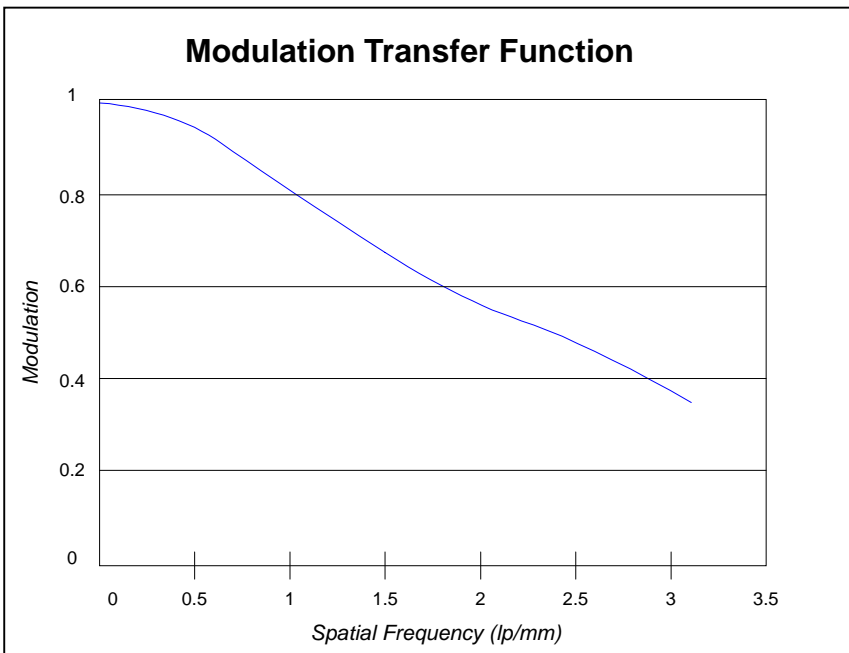
A wide range of shutter speeds can be used without loss of film speed or requirements for color filtration. For longer exposure times, some exposure compensation and filtration is suggested.



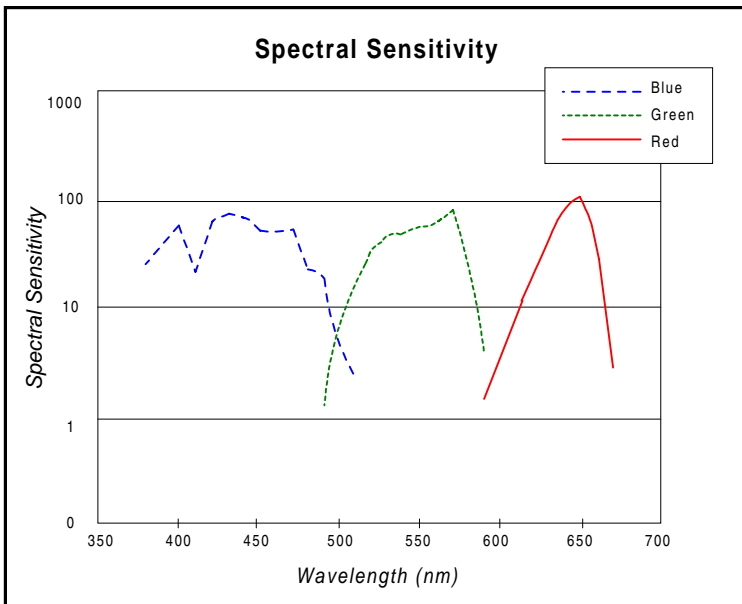
Reciprocity

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.



T-600 Film Family



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.

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