

Film Data Sheet
Spectra
Integral Color Print Film



European Name

Image Extreme
Integral Color Print Film

Film Speed

ISO 640/DIN 29

Format

4 x 4¹/₈ in. (10.2 x 10.5 cm)

Image Area

3⁵/₈ x 2⁷/₈ in. (9.2 x 7.3 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, Spectra 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
- Healthcare documentation
- Law enforcement (domestic violence, child abuse, others)
- Jewelry documentation
- Medical imaging (clinical documentation)
- Manufacturing (ISO 9000 documentation)

Compatible Hardware

- Spectra AF, Spectra 2, Spectra Pro
- Spectra Law Enforcement Kit
- Jewelry Pro
- HealthCam
- ProCam
- Image, Image 2, Image Elite
- Minolta Pro
- Macro 3 SLR
- Macro 5 SLR
- Polaroid ColorShot Printer

Special Treatment

None

Alternative product

Spectra HD Grid (with grid lines)
T-990

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.

"Polaroid", "Spectra", "Image Extreme", "Jewelry Pro", "HealthCam", "ProCam", "Image", "Polaroid Macro 3LR", "Polaroid Macro 5 SLR", and "Polaroid ColorShot" are trademarks of Polaroid Corporation, Waltham, MA 02451 USA. All other product names may be the property of their respective owners.



The information in this data sheet represents the typical performance of Polaroid's Spectra 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

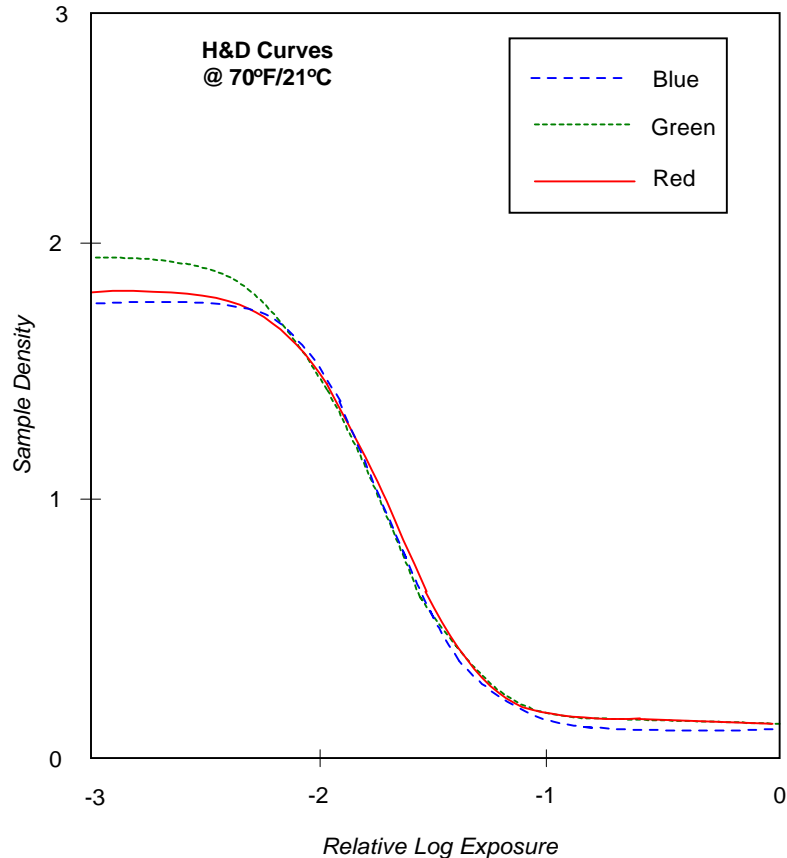
Resolution (1000:1):
7-10 line pairs/mm

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

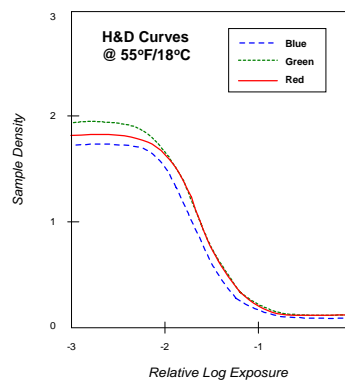
D-Min: The lowest density value that a film exhibits. In prints, the whiteness of the brightest highlight, relative to the unprocessed print.

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.

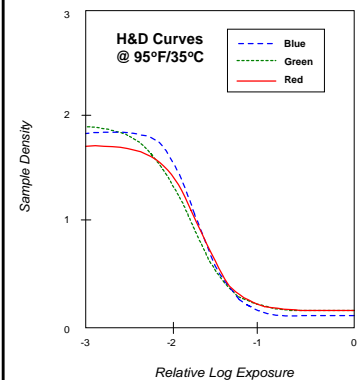
Characteristic H&D curve for normal development



Characteristic H&D curve for cold development



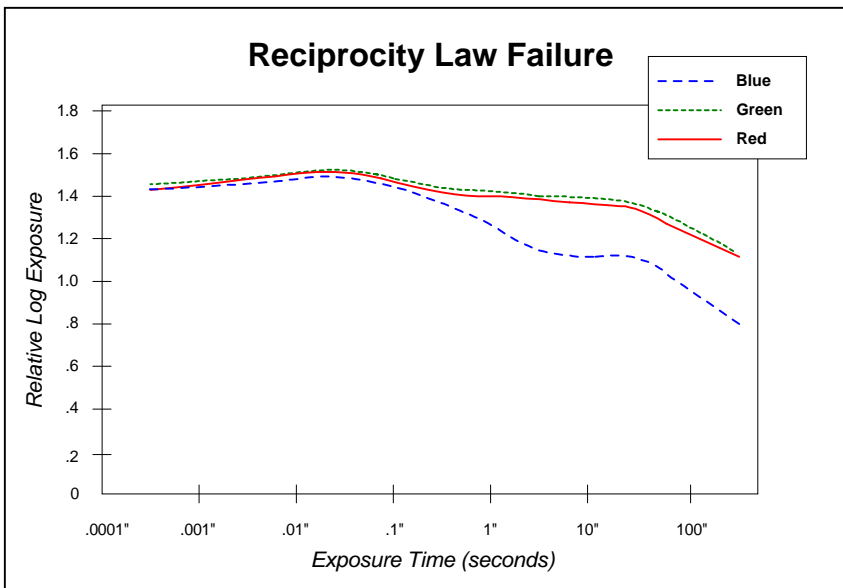
Characteristic H&D curve for hot development



Spectra Film Family

Reciprocity law failure

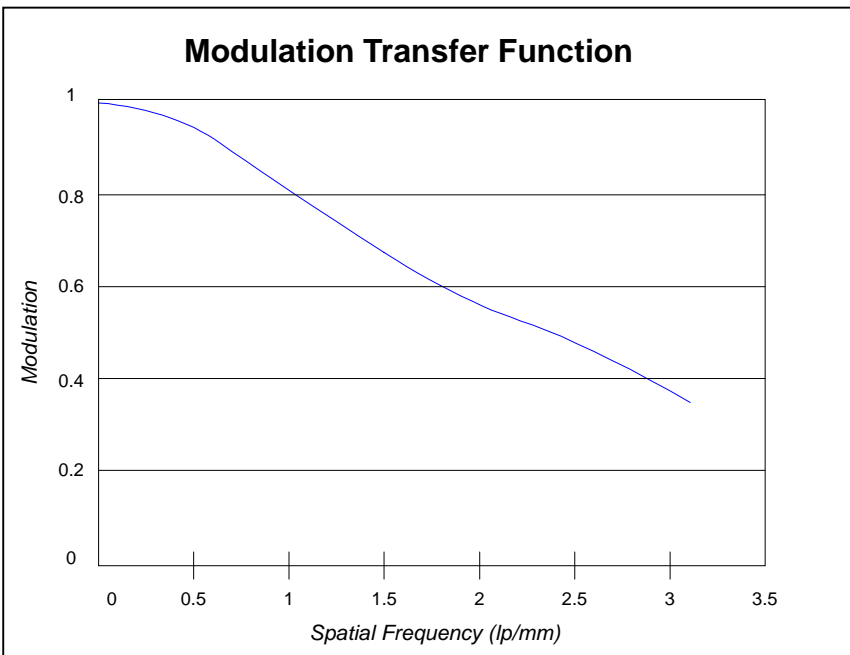
A wide range of shutter speeds can be used without loss of film speed or requirements for color filtration. For longer exposure times, some exposure compensation and filtration is suggested.



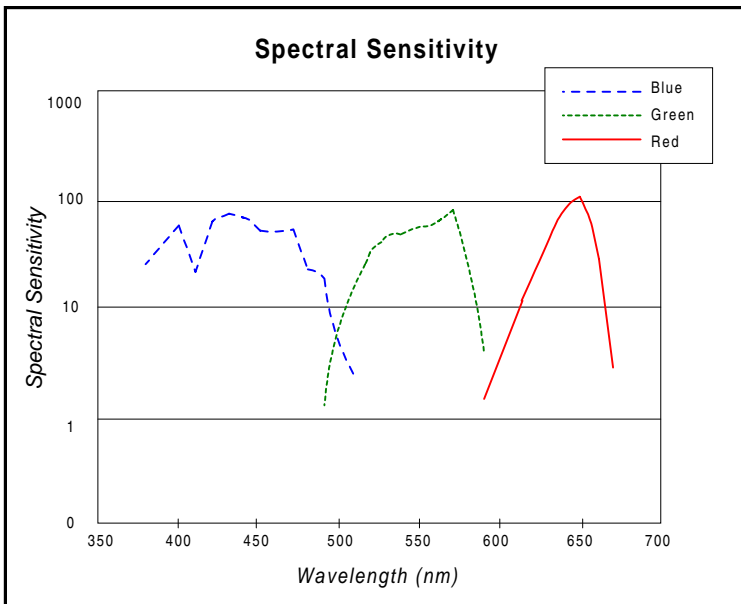
Reciprocity

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.



Spectra 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.