

**Film Data Sheet**  
**T-64**  
**Tungsten 4x5 Sheet Film**



**Film Speed**

ISO 64/DIN 19

**Format**

4 x 5 in. (10.2 x 12.7 cm)  
Sheet Film

**Image Area**

3<sup>1</sup>/<sub>2</sub> x 4<sup>1</sup>/<sub>2</sub> in. (9 x 11.4 cm)

**Finish**

Glossy

**Exposures per Unit**

20 exposures per box

**Development Time**

90 seconds at 70°F

**Description**

Special tungsten (3200°K) balanced film for rich, saturated color prints, in 4 x 5 sheet format. Color-balanced for tungsten lighting, rich and saturated colors, excellent image sharpness and clarity, designed for long exposures (ideal @ <sup>1</sup>/<sub>2</sub> to 30 seconds).

**Key Applications**

- Professional photography (proofing for tungsten studios)
- Copystand photography
- Microscopy
- Scientific imaging

**Compatible Hardware**

- MP-4+ camera
- Any camera or instrument (especially microscopes) equipped with a Model 545 or 545i film holder

**Special Treatment**

Designed for long exposures

**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. Keep discarded materials away from children, animals, clothing and furniture.

**Limited Warranty**

See information on the film box.

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Film Data Sheet  
 Technical Data

T-64 Tungsten  
 Instant Color Peel-Apart Films



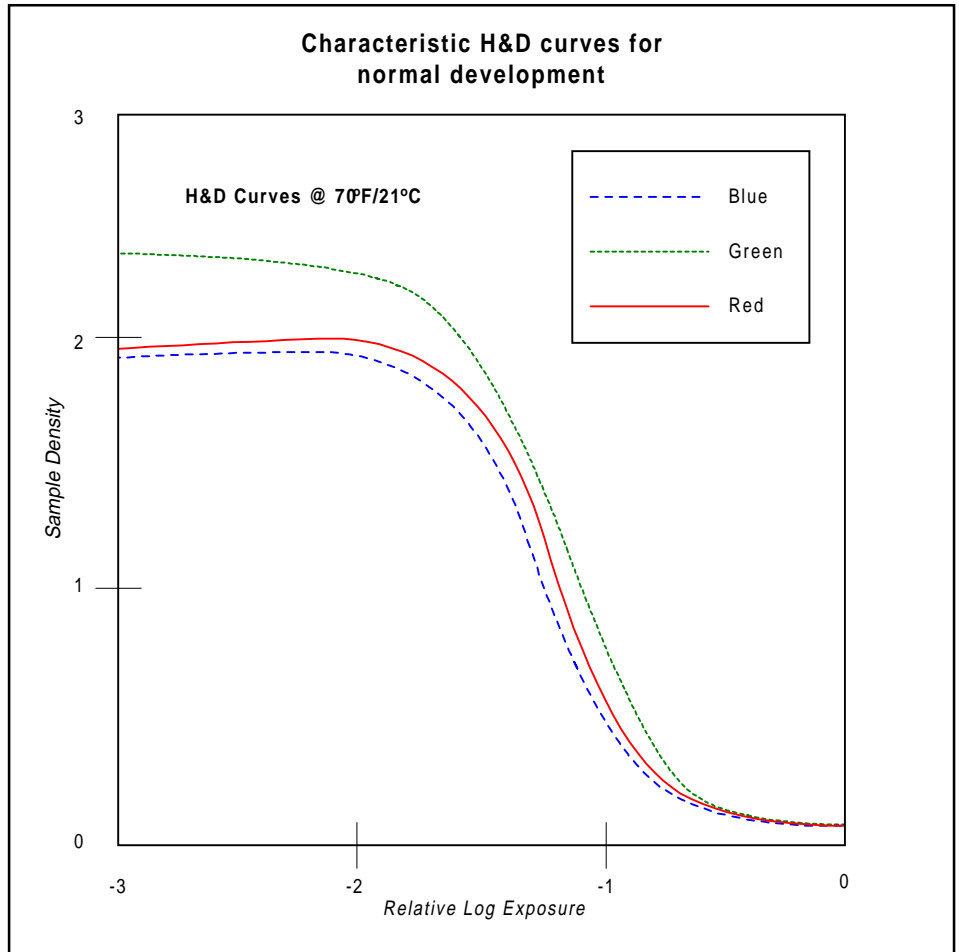
The information in this film data sheet represents the typical performance of Polaroid's T-64 Tungsten color films. Specific film lots may vary.

Recommended speed (ISO)	64 / 19°
Recommended processing time and temperature	90 sec. @ 70°F/21°C
Resolution (1000:1)	10 line pairs/mm
Contrast	Medium - High

**Processing time and temperature**

For best results process at temperatures above 60°F(16°C).

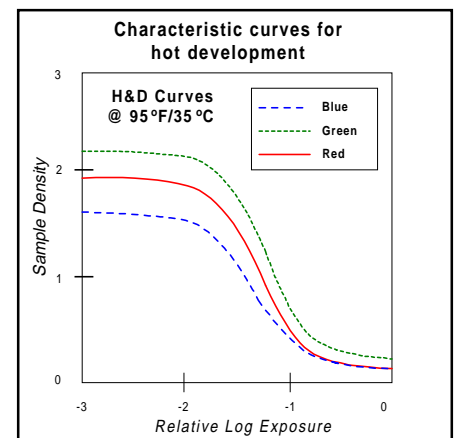
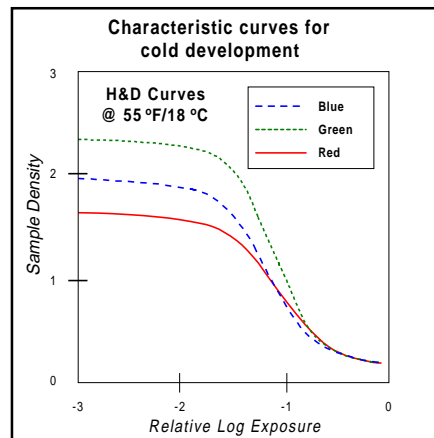
°F	°C	Time in seconds	Exposure Adjustment
95	35	90	-1/3 stop
65-90	21-32	90	None
55	13	120	1/2 stop



**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.



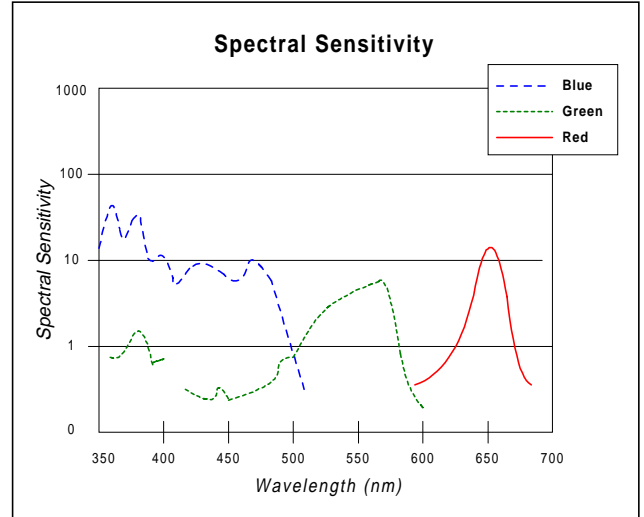
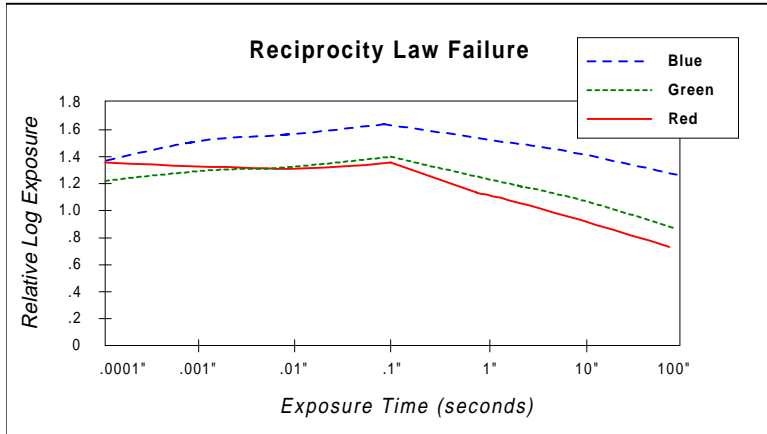
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**Reciprocity law failure**

A wide range of shutter speeds can be used without loss of film speed. For longer exposure times, some exposure compensation is suggested.



Shutter Speed	1/4000 to 1/30	1/15 to 4	8	16	32	64
Exposure Adjustment	Not recommended	+2/3 stop	None	+1/3 stop	+1/3 stop	+1/3 stop
Color Compensating Filter	-	None	None	None	CC05B	CC05B

**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.

**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.