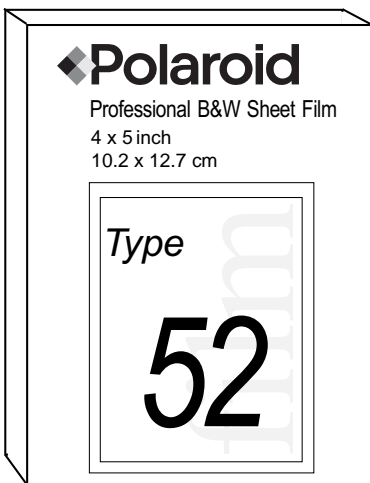


Film Data Sheet
T-52
4 x 5 Black & White Sheet Film



Film Speed
ISO 400/DIN 27

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

Image Area
3¹/₂ x 4¹/₂ in. (9 x 11.4 cm)

Finish
Glossy

Exposures per Unit
20 exposures per box

Development Time
20 seconds at 70°F

Description

Wide-tonal-range 4 x 5 sheet film for detailed black & white prints. Gradual tonal range for excellent highlight and shadow detail, widest grayscale available from any Polaroid instant film.

Key Applications

- SEM imaging
- Microscope imaging
- Professional photography proofing
- Test shots
- Copystand photography
- Scientific imaging
- Fine art imaging

Compatible Hardware

- Any instrument or camera equipped with a Model 545/545i Film Holder
- MP-4+ Camera

Special Treatment

Print coating required.

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.

Film Data Sheet
 Technical Data

T-52 (4x5 sheet) and T-552 (4x5 pack)
Instant B&W Peel-Apart Film



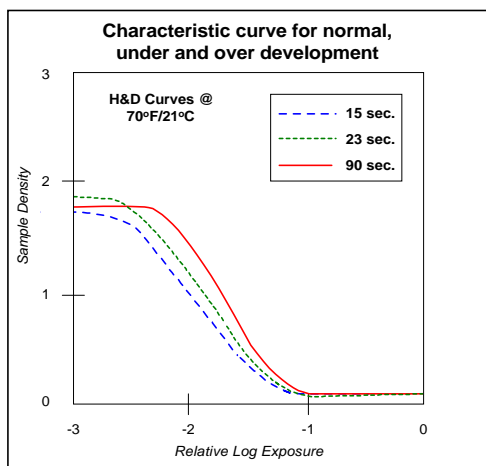
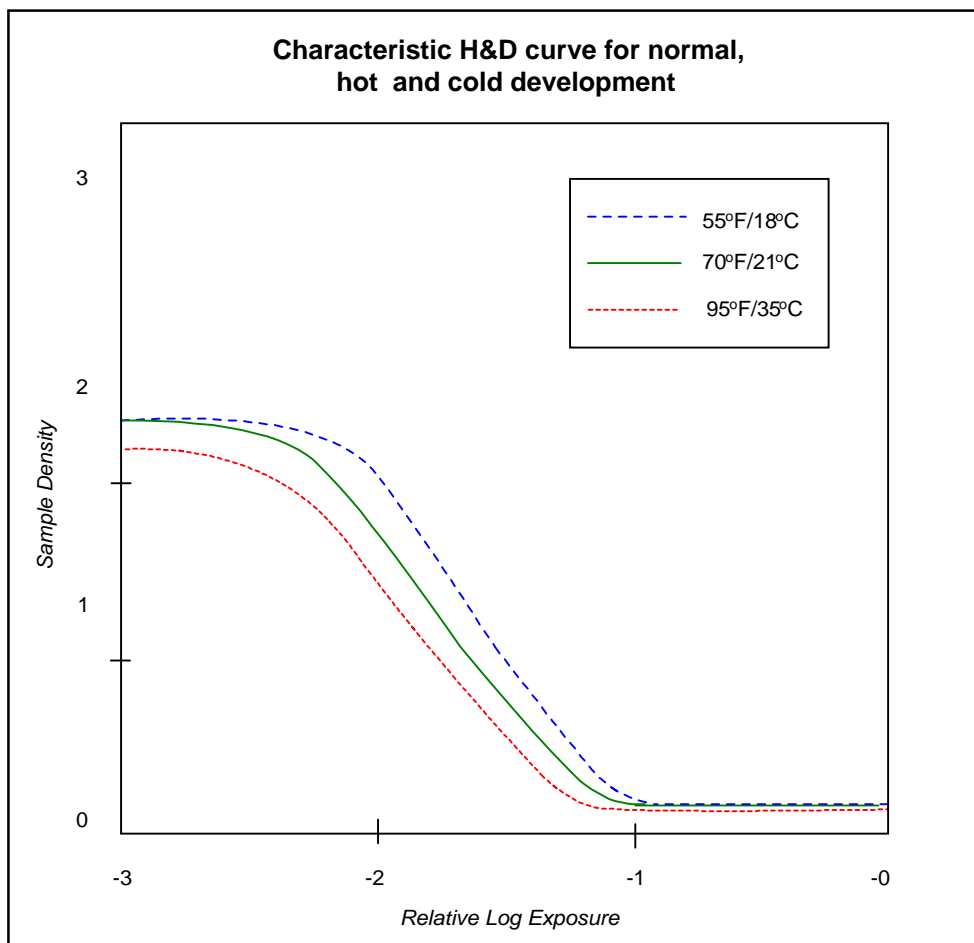
The information in this data sheet represents the typical performance of Polaroid's T-52 and T-552 black and white film. Specific film lots may vary.

Recommended speed (ISO)	400/27°
Recommended processing time at 70°F/21°C	Type 52 - 20 seconds Type 552 - 25 seconds
Spectral sensitivity	Panchromatic
Resolution (1000:1)	12 - 15 line pairs/mm
Contrast	Medium

Processing time and temperature

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

°F	°C	Time in seconds		Exposure Adjustment
		Type 52	Type 552	
95	35	15	20	-1/3 stop
75-90	24-32	15	20	None
70	21	20	25	None
65	18	25	30	None
55	13	40	40	1/3 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.

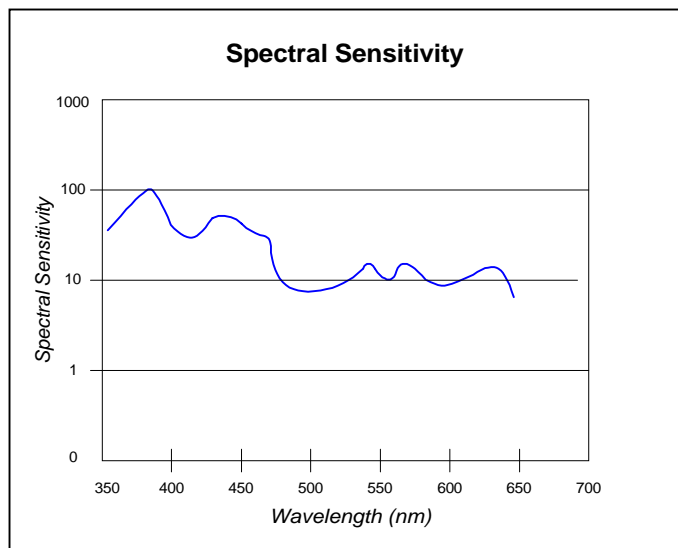
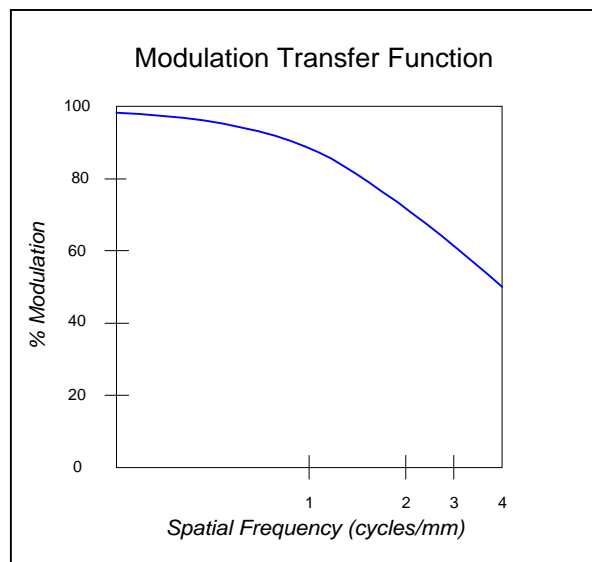
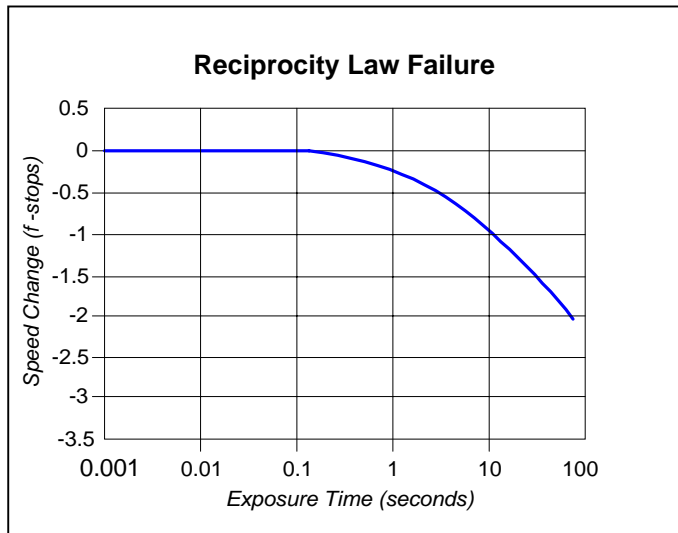
Film Data Sheet
 Technical Data

T-52 (4x5 sheet) and T-552 (4x5 pack)
 Instant B&W Peel-Apart Film



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.



Filter Factors

	Filter no.	6	8	15	25	47	58
Light source at 3200°K - Tungsten	Aperture adjustment (f-stops)	1/3	1/2	2/3	1 1/2	3 1/2	3 1/2
	Filter factor (exposure multiplier)	1.3	1.4	1.6	2.8	11.2	11.2
Light source at 5500°K - Daylight	Aperture adjustment (f-stops)	2/3	1	1 1/3	2 1/2	2 2/3	3 1/3
	Filter factor (exposure multiplier)	1.6	2	2.5	5.6	6.3	10

Speed variation relative to color temperature

3200°K	4800°K	5500°K	6500°K	7500°K	10,000°K
-1/3 stop	-	-	-	+1/3 stop	+1/3 stop

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.