

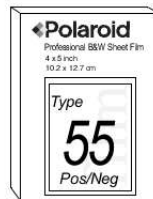


# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for POLAROID T-55. You'll find the answers to all your questions on the POLAROID T-55 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual POLAROID T-55  
User guide POLAROID T-55  
Operating instructions POLAROID T-55  
Instructions for use POLAROID T-55  
Instruction manual POLAROID T-55

## Film Data Sheet T-55 (Positive/Negative) 4 x 5 Black & White Sheet Film



**Film Speed**  
ISO 50/DN 18

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

**Image Area**  
3 1/2 x 4 1/2 in. (9 x 11.4 cm)

**Finish**  
Glossy

**Exposures per Unit**  
20 exposures per box

**Development Time**  
20-25 seconds at 70°F

**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.

### Description

Extremely high-resolution positive/negative film for finely detailed black and white prints (and negatives). Medium-speed and contrast, produces instant print and negative.

### Key Applications

- Proofing
- Scientific imaging
- Advertising and magazine photography
- SEM or microscope imaging
- Copystand photography
- Fine-art photography
- Any application requiring a negative for additional prints

### Compatible Hardware

- Any instrument or camera equipped with a Model 545545 Film Holder
- MP-4+ Camera

### Special Treatment

Requires print coating the positive and clearing the negative. To clear the negative for reuse, immerse it in a sodium sulfite clearing bath immediately after development. Sodium sulfite powder is readily available from professional photographic supply dealers and chemical supply houses.

### Mix in the following proportions:

Warm water: 2 liter or 70 fl. oz.  
Sodium sulfite powder: 440 grams or 16 oz. (weight) (anhydrous/desiccated)

Slowly add the powder to the water; stir continuously until all powder is dissolved. Allow to cool to approximately 70°F (21°C) before using. Store the solution in brown, well-stoppered bottles or in a tank with a floating lid.

### To prevent scratches:

Negative scratch resistance can be improved by treating the processed negative (after clearing in water and sodium sulfite) in a solution of Kodak Rapid Fix with Hardener (parts A & B) for two minutes. This solution should be made up and used in accordance with Kodak's recommended mix procedures, chemical caution statements, wash times and temperatures.

\*Polaroid® is a registered trademark of Polaroid Corporation, Waltham, MA 02451 USA.  
All other product names may be the property of their respective owners.



[You're reading an excerpt. Click here to read official POLAROID T-55 user guide](http://yourpdfguides.com/dref/3866504)  
<http://yourpdfguides.com/dref/3866504>

**Manual abstract:**

2 x 12.7 cm Extremely high-resolution positive/negative film for finely detailed black and white prints (and negatives). Medium-speed and contrast, produces instant print and negative.  $\nearrow$ SH ILOP Key Applications 3RV1HJ Film Speed ISO 50/DIN 18 . . . . . Proofing Scientific imaging Advertising and magazine photography SEM or microscope imaging Copystand photography Fine-art photography Any application requiring a negative for additional prints Compatible Hardware · Any instrument or camera equipped with a Model 545/545i Film Holder Format 4 x 5 in. (10.2 x 12.7 cm) Sheet Film · MP-4+ Camera Special Treatment Requires print coating the positive and clearing the negative. @@@@Mix in the following proportions: Warm water: 2 liter or 70 fl. oz. Sodium sulfite powder: 440 grams or 16 oz.

(weight) (anhydrous/desiccated) Image Area 3 1/2 x 4 1/2 in. @@@@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. Slowly add the powder to the water; stir continuously until all powder is dissolved.

Allow to cool to approximately 70°F(21°C) before using. @@To prevent scratches: Negative scratch resistance can be improved by treating the processed negative (after clearing in water and sodium sulfite) in a solution of Kodak Rapid Fix with Hardener (parts A & B) for two minutes. Limited Warranty See information on the film box. "Polaroid" is a registered trademark of Polaroid Corporation, Waltham, MA 02451 USA. All other product names may be the property of their respective owners.

Film Data Sheet Technical Data T-55 (Positive/negative) Instant B&W Peel-Apart Film The information below represents the typical performance of Polaroid's T-55 black and white film. Specific film lots may vary. Recommended speed (ISO) Recommended processing time and temperature Resolution (1000:1) 50 / 18o 20-25 sec. at 70oF/21oC 3 20 - 25 line pairs/mm (print) 160 - 180 line pairs/mm (negative) Contrast Spectral sensitivity Medium 2 Characteristic H&D curve for normal, hot and cold development 5 5 o F/18 7 0 o F/21 9 5 o F/35 Sample Density Panchromatic Pos. Processing time and temperature For best results process at temperatures above 60oF(16oC). o F o C Time in seconds 20 sec. 20 sec. 35 sec. 50 sec. 60 sec.

Exposure Adjustment None None None None None 1 75+ 70 65 55 50 24+ 21 18 13 10 0 -3 -2 -1 Relative Log Exposure Characteristic H&D curve for normal, over and under development 3 H&D Curves @ 70 o F/21o C 15 sec. 23 sec. 90 sec. At 70o F/21o C: D-Max = 1.65(P) 1.55(N) D-Min = .01(P) .18(N) Slope = 1.35(P) 1.65(N) Sample Density 2 P o s.

N e g. 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. @@@@@@@@@@@@@@@@@@70 fl.

oz. 16 oz. @@@@@@@@@@@@@@Preparation of the 18% sodium sulfite solution @@Mix in the following proportion: - Warm water 2 liters 70 oz. (fluid) - Sodium sulfite powder 440 grams 16 oz. @@Allow the solution to cool to approx.

70°F (21°C) before using. @@@@@@If that is not possible, extend the development time. @@@@@@Below 65°F (18°C), develop longer, as shown in the chart. At the lower temperatures, the speed of the negative will be reduced. Thus, a correctly exposed positive may be accompanied by a negative that is too thin. To get the best possible negative at these temperatures, give more exposure, so that you get a positive that is somewhat lighter than normal. Development below 50°F (10°C) is not recommended. Temperature 65°F+ 18°C+ 60°F 15°C 50°F 10°C Processing time 35 sec. 40 sec. 60 sec.

Preparation of the negative for printing Important: To avoid film damage, all solutions and wash water should be nearly the same temperature, ideally 65-75°F (18-24°C), when in use. Clear negative: Immerse negative in sulfite solution and agitate gently for 3060 seconds or longer, if desired. The solution can be used in trays (with emulsion side up), or in deep film tanks. Put each negative through individually or use clip-type film hangers such as the Kodak #6 hanger. Insert each negative carefully and keep the negatives from touching each other. Remove tabs and back coat material. Negative must be cleared of backcoat dyes and residual layer. Negative may remain in solution up to 72 hours. Note: Do not use conventional fixer as a substitute for sodium sulfite as it will not remove the opacity layer from the negative. For information on treatment of the negative in the field, contact the Polaroid office nearest you.

Temporary storage in water: If you do not have immediate access to sodium sulfite, you can safely store developed negatives in water (about 70°F/21°C) for a short time. While negatives are in water, handle them carefully and do not attempt to rub off the developer layer. @@Wash negative: Wash for 5 minutes in running water. For urgent use, 30 seconds will do; rewash later for permanence. @@Excessive washing may weaken the emulsion.

@@Follow manufacturer's instructions for use. @@Do not dry with excessive heat. Avoid dusty areas. Printing and retouching: When dry, the negative can be retouched, if necessary, and enlarged by conventional techniques. Coating and care of prints Prints must be coated immediately after development to protect them against scratching and fading.

Use the print coater packed in the plastic tube. Keep freshly coated prints separate from each other until they are thoroughly dry. Keep the coater fluid away from skin, clothing, furniture. .



**[You're reading an excerpt. Click here to read official POLAROID T-55 user guide](http://yourpdfguides.com/dref/3866504)**  
<http://yourpdfguides.com/dref/3866504>