

# Kodak CGP Camera 2000 Film

## Kodak CGP7 Camera 2000 Film

## Kodak CGPM Camera 2000 Film

Technical Information Instruction Sheet - TI1995  
August 2006

### Features / Customer Product Specifications

- An extremely high-contrast, orthochromatic film.
- For graphic arts line, halftone, and contact applications.
- Dimensionally stable **Estar** base.
- Compatible with other **Kodak** products processed in easy-to-use **Kodak** RA 2000 developer and replenisher (for machine or tray processing).
- CGPM film has a special matte surface on the emulsion side for rapid, uniform vacuum drawdown when using flexographic or smooth-surface printing plates.

### Safelight Recommendations

Use a **Kodak** 1A safelight filter / light red in a suitable safelight lamp equipped with a 15-watt bulb. Keep the film at least 4 feet (1.2 metres) from the safelight

### Storage

Keep unexposed film and processed film in a cool, dry place. Process film as soon as possible after exposure.



**Kodak**



# Exposure

Relative Exposure Index			
Exposure Orientation	System	Pulsed-Xenon	Tungsten or Quartz-Halogen
To emulsion	ISO (ASA/DIN)	20/14	20/14

These indexes are provided primarily as indicators of the relative speed of this film when compared with other **Kodak** graphic arts photographic materials. The pulsed-xenon value indicates the film's relative speed to pulsed-xenon illumination as measured by a light integrator. Index numbers for the other light sources can be used with photoelectric exposure meters to help establish trial exposures. A 2-times film-speed increase is indicated in the ASA system by doubling the index number and in the DIN system by increasing the number by 3.

## Examples of Camera Exposures

- Line Exposure: For a same-size (1:1) line reproduction exposing with four 1500-watt pulsed-xenon lamps at 3 feet (0.9 metre) from the center of the copyboard, use a trial exposure of 8 seconds at f/22.
- Halftone Exposure: Make a trial exposure using a contact screen suitable for use with **Kodak** Camera 2000 films.

## Example of Contact Exposure

Exposing with a variable voltage point-source lamp operated at 16 volts at a distance of 5 feet (1.5 metres) from the exposure plane—approximately 4 footcandles (43 lumens/square metre), use a trial exposure of 6 to 11 seconds (with a 1.0 neutral density filter), to the emulsion.

## Filter Factors

When a filter is used, multiply the amount of unfiltered exposure by the filter factor shown below. Because lighting conditions vary, these factors may require adjustments.

Light Source	Kodak Wratten Gelatin Filter			
	No. 8	No. 15	No. 47B	No. 58
Pulsed-Xenon	1.5	2.0	12.0	4.0
Quartz-Halogen	1.5	2.0	20.0	2.5



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*NOTE: It is recommended that the manufacturer of the pulsed-xenon or quartz-halogen lamps be consulted for safety information pertaining to ultraviolet radiation and ventilation requirements due to ozone generation.*

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## Mechanized Processing

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*NOTE: Contamination of the developer with small amounts of fixer may result in speed or density loss.*

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**Notice:** Observe precautionary information on products labels and on the Material Safety Data Sheets.

The recommended starting point for optimum results for optimum results using **Kodak** RA 2000 developer and replenisher (1:2) are:

Deep-Tank Processors	120 seconds at 75° F (24° C)
	105 seconds at 80° F (27° C)
	90 seconds at 85° F (30° C)
Rapid-Access Processors	30 seconds at 95° F (35° C)

Use a fixer such as **Kodak** RA 3000 fixer and replenisher.

As a starting point, do not add hardener to the fixer. However, if abrasion or any other transport problems occur in processing, add 3.2 oz of **Kodak** RA 3000 fixer, part B (hardener) per working-strength gallon of fixer. Add part B following recommended instructions (slowly and mixing thoroughly).



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## 1. Support

### Dimensionally Stable Support

CGP	4 mil (0.004 in., 0.10 mm)	<b>Estar</b> base
CGP7	7 mil (0.007 in., 0.18 mm)	<b>Estar</b> thick base
CGPM	4 mil (0.004 in., 0.10 mm)	<b>Estar</b> base, with matte

## 2. Graphs<sup>1</sup>

### Characteristic

- A. CGP and CGP7 films (6-92)
- B. CGPM film (12-92)

### Spectral Sensitivity

- C. (8-92)

<sup>1</sup>NOTICE: While the data presented are typical of production coatings, they do not represent standards that must be met by Kodak. Varying storage, exposure, and processing conditions will affect results. The company reserves the right to change and improve product characteristics at any time.

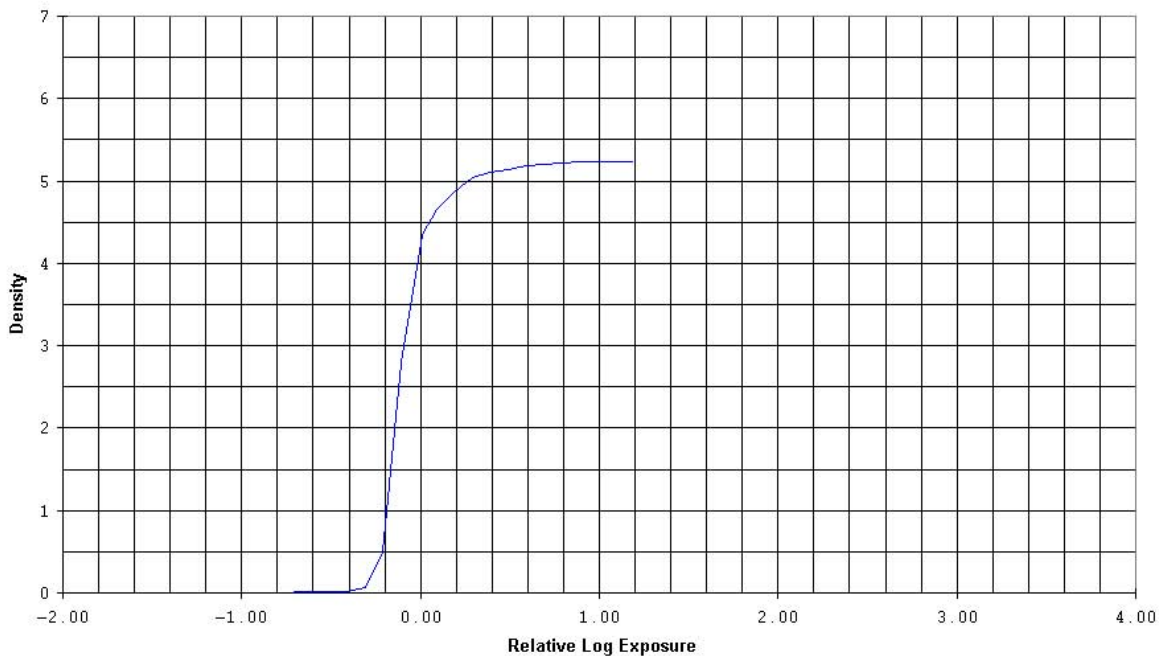


**Kodak**



**T11995A 05-94**  
CHARACTERISTIC, For Publication

KODAK Camera 2000 Film CGPM, CG7M/1588, 7588  
Pulsed-Xenon 10 sec; KODAK RA 2000 Developer and Replenisher (1:2)  
KODAMATIC 710 Processor, 30 sec at 95F (35C); Diffuse vial

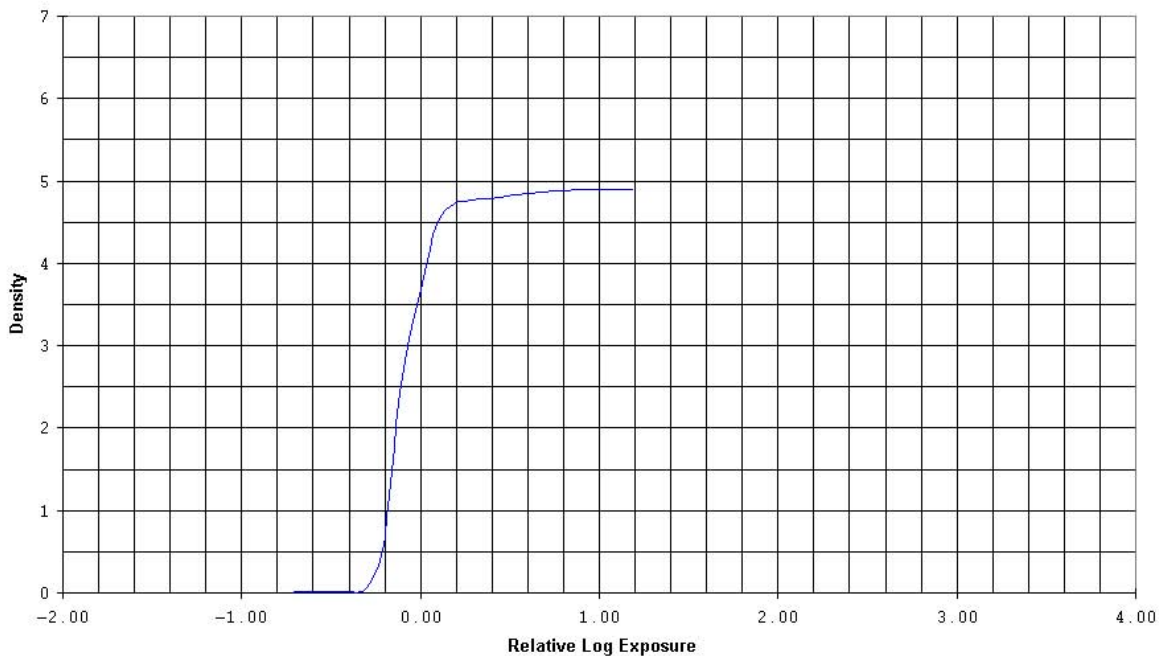


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Pulsed-Xenon 10 sec; KODAK RA 2000 Developer and Replenisher (1:2)  
KODAMATIC 710 Processor, 30 sec at 95F (35C); Diffuse visual

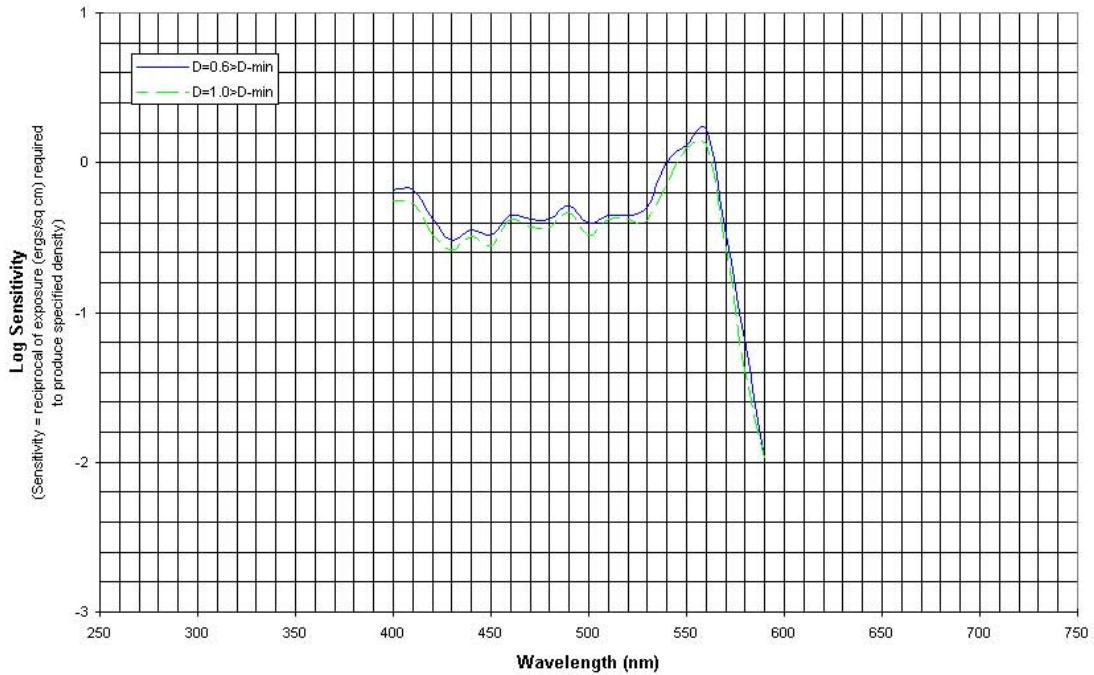


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**TI1995C 05-94**  
SPECTRAL SENSITIVITY, For Publication

KODAK Camera 200 Film CGP, CGP7, CGPM, CG7M/2588, 4588, 1588, 7588  
Effective Exp 1.4 sec; KODAK RA 2000 Developer and Replenisher  
KODAK VERSAMAT Film Processor, Model 317 and KODALITH Processor, Model 324  
24 sec at 90F (32C); Diffuse visual



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The **Kodak** products mentioned in this document may not all be available in all regions or countries. If you have questions or need assistance, contact your local Kodak representative or visit our website: <http://graphics.kodak.com>.

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