

# EASTMAN High Contrast Positive Film II 5363™ / 7363™



EASTMAN High Contrast Positive Film II 5363 and 7363 is a medium-speed black and-white positive film that is suitable for making both positive and negative titles. It is also useful for production of printer effects, such as silhouette and traveling mattes. This blue-sensitive film is characterized by high contrast, excellent sharpness, and very high resolving power.

## BASE

This film has a clear acetate safety base with an antihalation undercoat. The backside has an anti-static coating with a lubricant.

## DARKROOM RECOMMENDATIONS

Use a KODAK OA Safelight Filter / greenish-yellow with a 15-watt bulb, no closer to the film than 1.2 metres (4 feet).

## STORAGE

Store *unexposed film* at 13°C (55°F) or lower. For extended storage, store at -18°C (0°F) or lower. Process exposed film promptly. Store *processed film* according to the recommendations in NAPM IT9.11-1992: for medium-term storage (minimum of ten years), store at 25°C (77°F) or lower at a relative humidity of 20 to 50 percent; for extended-term storage (for preservation of material having value), store at 21°C (70°F) or lower at a relative humidity of 20 to 30 percent. For active use, store at 25°C (77°F) or lower, at a relative humidity of 50 ± 5 percent. This relates to optimized film handling rather than preservation; static, dust-attraction and curl-related problems are generally minimized at the higher relative humidity. After use, return the film to the appropriate medium- or long-term storage conditions as soon as possible.

For more information about medium- and long-term storage, see NAPM IT9.11-1992, and KODAK Publications H-1, *KODAK Motion Picture Film*, and H-23, *The Book of Film Care*.

## GAMMA

This film should be developed to a recommended control gamma of 2.90 to 3.20 (Status M Densitometry with a blue filter).

## AVAILABLE ROLL LENGTHS

For information on film roll lengths, check Kodak's *Professional Motion Picture Imaging* price catalog or contact Kodak in your country.

## PROCESSING

The following are starting-point process recommendations for most conventional continuous-immersion processors with solutions prepared according to the formulas in KODAK Publication No.H-24.15, *Manual for Processing KODAK Motion Picture Films*, Module 15. The processing times may require modification for a particular machine.

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

Processing Step	Temperature	Time (min:sec)	Replenishment Rate (mL per 100 ft)	
			35 mm	16 mm
KODAK Developer D-97*	21°C ± 0.3 (70°F ± 0.5)	†	650 (D-97R)	325 (D-97R)
Stop Rinse‡	21°C ± 1 (70°F ± 2)	50 sec	12,000	6,000
KODAK Fixing Bath F-5*	21°C ± 1 (70°F ± 2)	4 min	600	300
Wash (counter-current)	21°C ± 1 (70°F ± 2)	10 min	12,000	6,000
Dry	35°C (95°F)	§	—	—

\* Agitation in the developer and fixing bath should be by recirculation through submerged spray jets that impinge on the film strands.

† Develop to recommended control gamma.

‡ Countercurrent flow of fixer-laden water overflow from wash tank, pH about 6.

§ Many factors affect drying: air temperature, relative humidity (RH); volume, rate and distribution of the air flow; final squeegeeing, etc. In a convection-type drying cabinet with air at about 35°C (95°F) and 40- to 50-percent RH, drying will take 15 to 20 minutes. In an impingement-type drying cabinet, with a higher temperature and lower RH, drying time is greatly reduced. With either type of dryer, the film should be dry without tackiness ½ to ⅔ of the way through. Upon cooling to room temperature after leaving the dryer, the film should be at equilibrium with the room air at approximately 50-percent RH.

## IMAGE STRUCTURE

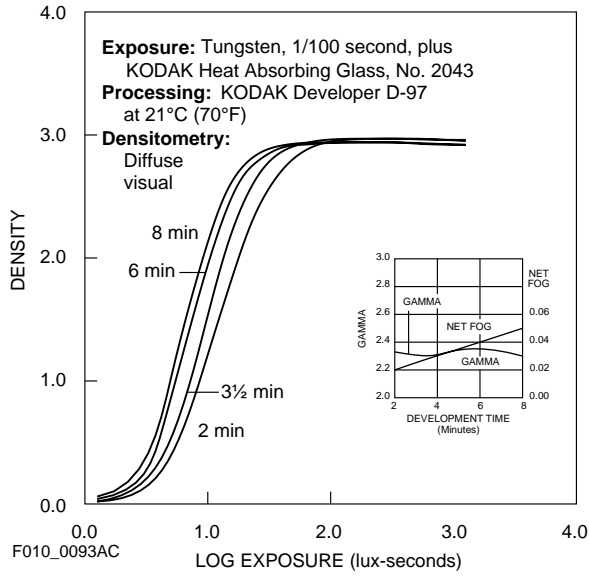
The modulation-transfer curves, the diffuse rms granularity, and the resolving-power data were generated from samples of 5363 Film exposed with tungsten light and processed as recommended in Process D-97 at 21°C (70°F) to the recommended control gamma. For more information on image-structure characteristics, see KODAK Publication No H-1, *KODAK Motion Picture Film*.

<b>Diffuse RMS Granularity*</b>		10
<b>Resolving Power†</b>	TOC 1.6:1	80 lines/mm
	TOC 1000:1	200 lines/mm

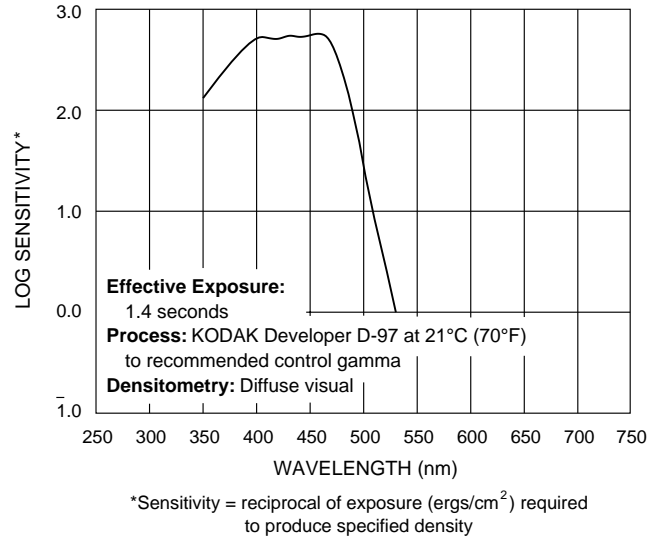
\* Read at a net diffuse visual density of 1.0, using a 48-micrometre aperture.

† Determined according to a method similar to the one described in ISO 6328-1982, *Photography—Photographic Materials—Determination of ISO Resolving Power*.

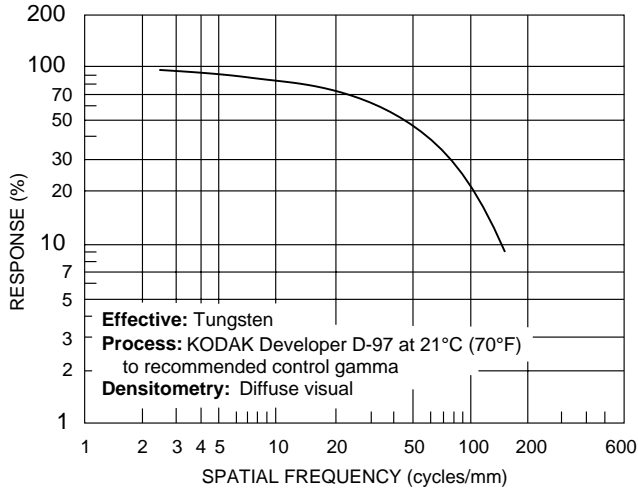
## CHARACTERISTIC CURVES



## SPECTRAL-SENSITIVITY CURVES



## MODULATION-TRANSFER CURVE



**Notice:** While the data presented are typical of production coatings, they do not represent standards which 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.

These photographic modulation-transfer values were determined by using a method similar to the one described in ANSI Standard PH2.39-1977(R1990). The film was exposed with the specified illuminant to spatially varying sinusoidal test patterns having an aerial image modulation of a nominal 35 percent at the image plane, with processing as indicated. In most cases, the photographic modulation-transfer values are influenced by development-adjacency effects and are not equivalent to the true optical modulation-transfer curve of the emulsion layer in the particular photographic product.

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## **KODAK LOCATIONS**

FOR DIRECT ORDERING IN THE UNITED STATES:  
**1-800-621-FILM**

### **ATLANTA, GEORGIA**

4 Concourse Parkway  
Suite 300  
Atlanta, Georgia 30328-5379  
Information: 800-800-8398

### **CHICAGO, ILLINOIS**

815 West Van Buren, Suite 320  
Chicago, Illinois 60607  
Information: 312-492-1423

### **DALLAS, TEXAS**

11337 Indian Trail  
Dallas, Texas 75229  
Information: 972-481-1150 or 312-492-1423

### **HOLLYWOOD, CALIFORNIA**

6700 Santa Monica Boulevard  
P. O. Box 38939  
Hollywood, California 90038-1203  
Information: 323-464-6131

### **NEW YORK, NEW YORK**

360 West 31st Street  
New York, New York 10001-2727  
Information: 212-631-3450

### **LATIN AMERICAN REGIONAL OFFICE**

8600 NW 17<sup>th</sup> Street, Suite 200  
Miami, Florida 33126  
Information: 305-507-5656

FOR DIRECT ORDERING IN CANADA:  
**1-800-621-FILM**

### **MONTREAL, CANADA**

Kodak Canada Inc.  
4 Place du Commerce  
Ile des Soeurs  
Verdun, Quebec, H3E 1J4, Canada  
Information: 514-761-3481

### **TORONTO, CANADA**

Kodak Canada Inc.  
3500 Eglinton Avenue West  
Toronto, Ontario, M6M 1V3, Canada  
Information: 416-766-8233

### **VANCOUVER, CANADA**

Kodak Canada Inc.  
4185 Still Creek Drive  
Burnaby, British Columbia, V5C 6G9, Canada  
Information: 604-320-1777

### **KODAK On Line At:**

<http://www.kodak.com/go/motion>



**Professional  
Motion Imaging**