

KODAK EKTACHROME 64T Professional Film



DESCRIPTION

This medium-speed color reversal film features excellent color reproduction, very fine grain, and very high sharpness. It is designed for exposure with tungsten illumination (3200 K). The film is an excellent choice for photographing products, room interiors, titles, and artwork. Primary applications include catalog, furniture, and architectural photography, and copying.

KODAK EKTACHROME 64T Professional Film has an intended exposure range of 1/100 second to 100 seconds.

Use this film to produce color transparencies for viewing with 5000 K illumination. You can also use the transparencies for printing by photomechanical methods and by photographic methods of direct duplication and direct reversal printing. In addition, you can scan transparencies for digital printing and for graphic arts and photo CD applications.

FEATURES	BENEFITS
<ul style="list-style-type: none"> Accurately records neutral colors 	<ul style="list-style-type: none"> Excellent color reproduction Ideal for catalog, architectural, and commercial applications
<ul style="list-style-type: none"> Outstanding reciprocity characteristics 	<ul style="list-style-type: none"> Consistent color balance and speed over a wide range of exposure times
<ul style="list-style-type: none"> Balanced for 3200 K (tungsten) studio lamps 	<ul style="list-style-type: none"> Good choice for photographing still lifes, making titles using a copy stand, and copying artwork

SIZES AVAILABLE

Rolls	Film Code	Base	CAT No.
135-36	EPY	5-mil acetate	853 3093
120	EPY	3.6-mil acetate	865 6696

Note: Use the CAT numbers in the table above only for orders placed the U.S. and Canada.

Long Rolls	Film Code	Sp. No.	CAT No.
35 mm x 100-ft, perf both edges	EPY	404	899 0012
35 mm x 400-ft, perf both edges	EPY	663	830 0071

Sheets	Size (inches)	Film Code	Base	CAT No.
10	4 x 5	EPY	8.2-mil acetate	122 5424
10	5 x 7		8.2-mil acetate	122 5465
10	8x10		8.2-mil acetate	1225507
10	11 x 14		8.2-mil acetate	122 5523
50	4 x 5	EPY	8.2-mil acetate	120 8263
50	5 x 7		8.2-mil acetate	120 8453
50	8 x 10		8.2-mil acetate	120 8289
10	9 x 12 cm	EPY	8.2-mil acetate	122 5549
10	30 x 40 cm		8.2-mil acetate	129 8744
KODAK READYLOAD Packet				
20	4 x 5	EPY	8.2-mil acetate	197 1704

DARKROOM RECOMMENDATIONS

Do not use a safelight. Handle unprocessed film in total darkness.

STORAGE AND HANDLING

Load and unload roll film in subdued light. Load and unload sheet film in total darkness using light-tight film holders.

Store unexposed film in a refrigerator at 55°F (13°C) or lower in the original sealed package. To avoid moisture condensation on film that has been refrigerated, allow the film to warm up to room temperature before opening the package. Process film as soon as possible after exposure.

Protect transparencies from strong light, and store them in a cool, dry place. For more information, see KODAK Publication No. E-30, *Storage and Care of KODAK Photographic Materials—Before and After Processing*.

EXPOSURE

Exposure Index Numbers

Use the exposure index numbers below with cameras or light meters marked for ISO or ASA speeds or exposure indexes. Do not change the film-speed setting when metering through a filter. Metering through filters may affect meter accuracy; see your meter or camera manual for specific information. For critical work, make a series of test exposures.

Light Source	KODAK WRATTEN Gelatin Filters	Exposure Index
Tungsten (3200 K)	None	64
Photolamp (3400 K)	No. 81A	50
Daylight or Electronic Flash	No. 85B	40

For best color rendition, use tungsten photolamps (3200 K) at their rated voltage. If voltage varies significantly, the color of the lamp will change. Other light sources may not give equally good results, even with filters. Unless you want a special effect, do not mix light sources, particularly tungsten light and daylight

Adjustments for Long and Short Exposures

No filter correction or exposure compensation is normally required for EKTACHROME 64T Professional Film at exposure times of 1/100 second to 10 seconds. For a 100-second exposure, increase exposure by 1/3 stop and add a CC05R filter.

For more specific information when using sheet film, see the product packaging. Exposure index and filter recommendations for the specific emulsion number are listed on the box. Included are recommendations at 1/10, 5, 30, and 100 seconds.

PROCESSING

Process EKTACHROME 64T Professional Film in KODAK Chemicals, Process E-6.

RETOUCHING TRANSPARENCIES

Use KODAK E-6 Transparency Retouching Dyes. You can chemically retouch sheet and 120-size film on both the base and the emulsion side. Retouch only the emulsion side on the 135 size. For information on retouching equipment, supplies, and techniques, see KODAK Publication No.E-68, *Retouching Transparencies on KODAK EKTACHROME Film*.

PRINTING TRANSPARENCIES

You can reproduce images made on EKTACHROME 64T Professional Film by using a variety of Kodak materials

Duplicate Color Transparencies

For direct printing, use—

KODAK EKTACHROME Duplicating Films

KODAK EKTACHROME RADIANCE Overhead Material

Or make internegatives on KODAK Commercial

Internegative Film, and print them on—

KODAK VERICOLOR Print Film

KODAK VERICOLOR Slide Film

KODAK DURATRANS® RA Display Material

KODAK DURACLEAR™ RA Display Material

Color Prints

For direct printing, use—

KODAK EKTACHROME RADIANCE III Paper or

EKTACHROME RADIANCE SELECT III Material

Or make internegatives on KODAK Commercial

Internegative Film, and print them on—

KODAK PROFESSIONAL PORTRA III Papers

KODAK PROFESSIONAL SUPRA III Paper

KODAK PROFESSIONAL ULTRA III Paper

KODAK DURAFLEX® RA Print Material

SCANNING TRANSPARENCIES

For Graphic Arts Applications

The KODAK EKTACHROME Film family is characterized by sets of image dyes which perform very similarly when scanned. The scanner operator can set up one basic tone scale and color correction channel for EKTACHROME Films, and then optimize the tone scale and gray balance for the requirements of individual images.

Use the KODAK Color Input Target / Q-60E1 or Q-60E3A to establish the setup for KODAK EKTACHROME Films on all scanners. This target meets ANSI standards and represents the dye sets of all EKTACHROME Films.

FOR PHOTO CD APPLICATIONS

Use the Universal E-6 Film Term to scan all KODAK EKTACHROME Films for KODAK PCD Imaging Workstation applications.

For output to a Photo CD player: Using the Universal E-6 Film Term should result in an image that closely matches your original in density, tone scale, and overall color balance when viewed on a player.

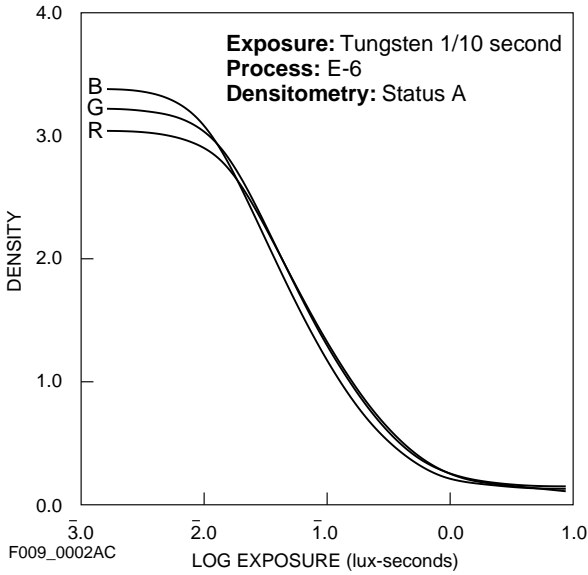
For output devices other than Photo CD players: The YCC data that results when using the Universal E-6 Film Term is capable of producing a high-quality duplicate of your original in terms of density, tone scale, and color reproduction. Final quality of your reproduced image depends on the capabilities of your output device, the viewing environment, and the rendering path used.

IMAGE STRUCTURE

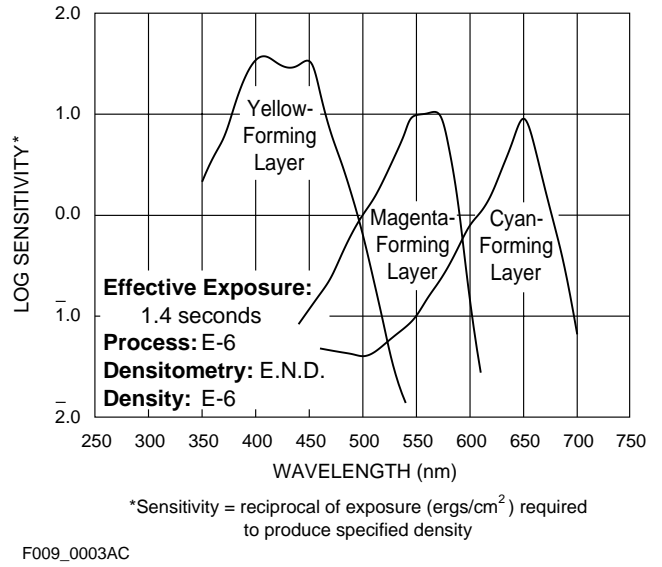
Diffuse rms Granularity* 11

*Read at a gross diffuse visual density of 1.0, using a 48 micrometre aperture, 12X magnification.

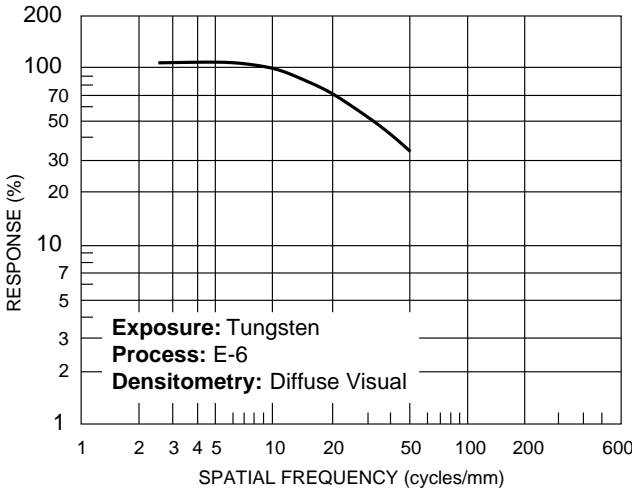
Characteristic Curves



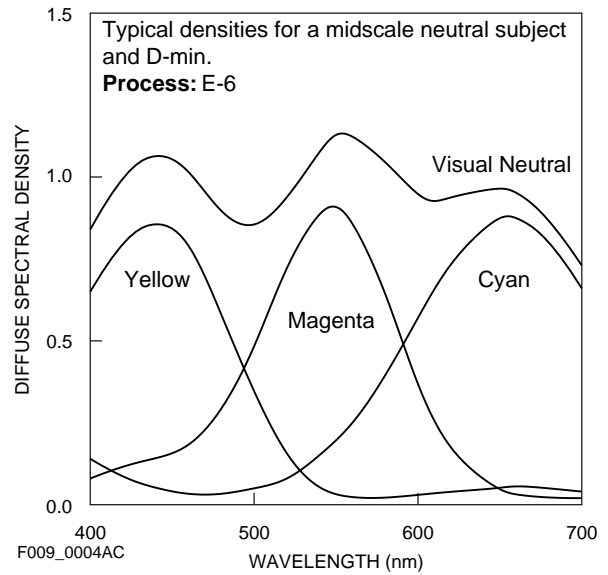
Spectral-Sensitivity Curves



Modulation-Transfer Curve



Spectral-Dye-Density Curves



NOTICE: The sensitometric curves and data in this publication represent product tested under the conditions of exposure and processing specified. They are representative of production coatings, and therefore do not apply directly to a particular box or roll of photographic material. They do not represent standards or specifications that must be met by Eastman Kodak Company. The company reserves the right to change and improve product characteristics at any time.

KODAK EKTACHROME 64T Professional Film

MORE INFORMATION

Kodak has many publications to assist you with information on Kodak products, equipment, and materials.

Additional information is available on the Kodak website and through the U.S.A. /Canada faxback system.

The following publications are available from Kodak Customer Service, from dealers who sell Kodak products, or you can contact Kodak in your country for more information.

- E-30 *Storage and Care of KODAK Photographic Materials—Before and After Processing*
- E-31 *Reciprocity and Special Filter Data for KODAK Films*
- E-38 *KODAK EKTACHROME Duplicating Films*
- E-68 *Retouching Transparencies on KODAK EKTACHROME Film*
- E-164 *KODAK PROFESSIONAL EKTACHROME Films E100S and E100SW*

For the latest version of technical support publications for KODAK PROFESSIONAL Products, visit Kodak on-line at:
<http://www.kodak.com/go/professional>

Many technical support publications for KODAK PROFESSIONAL Products can be sent to your fax machine from the Kodak Information Center. Call:
U.S. 1-800-242-2424, Ext. 33 / Canada 1-800-295-5531
—Available 24 hours a day, 7 days a week—

If you have questions about KODAK PROFESSIONAL Products, call Kodak.

In the U.S.A.:

1-800-242-2424, Ext. 19, Monday–Friday
9 a.m.–7 p.m. (Eastern time)

In Canada:

1-800-465-6325, Monday–Friday
8 a.m.–5 p.m. (Eastern time)



Kodak Professional Division
EASTMAN KODAK COMPANY

Kodak Professional