

KODAK PLUS-X Reversal Film 7265



KODAK PLUS-X Reversal Film 7265 (16 mm) is a medium-speed, panchromatic black-and-white film suitable for general exterior photography. It has a high degree of sharpness, good contrast, and tonal gradation. It can also be used in interior photography with ample artificial illumination.

BASE

KODAK PLUS-X Reversal Film 7265 has a grey acetate safety base. The back side of the base contains an antistatic layer with a carnauba wax lubricant.

DARKROOM RECOMMENDATIONS

Reversal Processing -

All processing operations should be carried out in total darkness until development is 50 percent completed. If necessary, the film can be examined using a KODAK 3 Safelight Filter / dark green, with a 15-watt bulb, no closer to the film than 1.2 meters (4 feet).

Negative Processing -

No safelight is recommended until after the stop bath. Unprocessed films must be handled in total darkness.

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 ANSI/PIMA IT9.11-1998: for medium-term storage (minimum of ten years), store at 10°C (50°F) or lower at a relative humidity of 20 to 30 percent; for extended-term storage (for preservation of material having permanent value), store at 2°C (35°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 usage, the film should be returned to the appropriate medium- or long-term storage conditions as soon as possible.

For more information about medium- and long-term storage, see ANSI/PIMA IT9.11-1998, SMPTE RP131-2002, and KODAK Publications No. H-1, *KODAK Motion Picture Film*, available online at <http://www.kodak.com/US/en/motion/support/h1>, and No. H-23, *The Book of Film Care*.

EXPOSURE INDEXES

For recommended reversal processing:

Tungsten (3200K) - 80	Daylight - 100
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Use these indexes with incident- or reflected-light exposure meters and cameras marked for ISO or ASA speeds or exposure indexes. These indexes apply for meter readings of average subjects made from the camera position or for readings made from a gray card of 18-percent reflectance held close to and in front of the subject. For unusually light- or dark-colored subjects, decrease or increase the exposure indicated by the meter accordingly.

For negative processing (gamma=1.0) in a typical motion picture negative developer, use the following exposure indexes:

Tungsten (3200K) - 20	Daylight - 25
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When exposing in super 8 cameras through a KODAK WRATTEN Gelatin Filter No. 85, the effective speed is reduced to 64 for daylight. In automatic cameras, due to the cartridge speed and filter notching system, the film will be exposed as follows:

Daylight (no filter) - 100

Daylight (with filter) - 64

Tungsten (without filter) - 80

The film latitude will provide satisfactory results at these exposure levels.

EXPOSURE TABLE - TUNGSTEN LIGHT

This table is based on EI-80 (tungsten) and reversal processing with a shutter speed of approximately 1/50 second, 24 frames per second (fps), and 180-degree shutter opening:

Lens Aperture	f/1.4	f/2	f/2.8	f/4	f/5.6	f/8
Footcandles Required ¹	32	64	125	250	500	1000

¹ At 18 frames per second, use 3/4 of the footcandles (fc) shown. When the film is used as a negative material, the values specified should be doubled.

Lighting Contrast -

The recommended ratio of key-light-plus-fill-light to fill light is 2:1 or 3:1. However, you may use 4:1 or greater when a particular look is desired.

FILTER FACTORS

KODAK WRATTEN Filter No.	3	8	11	12	15	21	23A	25	29	96 ¹
Daylight	1.5	2.0	4	2.0	2.5	3	5	10	40	8

¹ For use in bright sunlight to reduce the exposure without modifying color rendering or depth of field. This filter which has a neutral density of 0.90 provides a reduction in exposure equivalent of 3 full stops.

RECIPROCITY CHARACTERISTICS

(Recommended Reversal Process at 76°F (24.4°C))

You do not need to make any exposure adjustments for exposure times from 1/1,000 to 1 second. If your exposure is in the 1/10,000 second range, it is recommended that you increase your exposure by 1/2 stop.

REVERSAL PROCESSING

KODAK B&W Reversal Process

This film should be processed with KODAK B&W Reversal Process Kit Chemicals or with solutions prepared according to the formulas presented in KODAK Publication No.H-24.15, *Manual for Processing KODAK Motion Picture Films, Module 15*.

Note: KODAK B&W Reversal First Developer and Replenisher (D-94A) and KODAK B&W Reversal Bleach and Replenisher (R-10) should be used with this film.

The recommended starting points for processing times and temperatures are shown in the table below. Actual processing times may differ from the ones shown because of machine design variables, such as film transport speed, degree of solution agitation, amount of solution carry-over, etc.

Process Step	Time 24.4°C (76°F)
First Developer KODAK B&W Reversal First Developer and Replenisher (D-94A)	60 sec
Wash	30 sec
KODAK B&W Reversal Bleach and Replenisher (R-10)	60 sec
Wash	30 sec
Clearing Bath	30 sec
Wash	30 sec
Re-exposure	800 footcandle seconds
Second Developer KODAK B&W Reversal Developer and Replenisher (D-95)	30 sec
Wash	30 sec
Fixer	30 sec
Wash	2 min

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

NEGATIVE PROCESSING

Although designed for reversal processing, this film is capable of yielding useful negative images or conventional quality and contrast if developed in a developer such as KODAK Developer D-96 and then fixed. When a developer of this type is used, the speed is not more than 1-1/2 to 1-2/3 that is normally obtained in reversal processing (using KODAK B&W Reversal First Developer and Replenisher (D-94A)).

If negatives are required, it is preferable to use films designed for that purpose.

IDENTIFICATION

After processing, the product code numbers 7265, emulsion and roll number identification, emulsion letter designator EC, and KEYCODE number are visible along the length of the film.

IMAGE STRUCTURE

The modulation-transfer and diffuse rms granularity curves were generated from samples of 7265 Film exposed with tungsten light and processed in the recommended reversal process at 24.4°C (76°F). For more information on image-structure characteristics, see KODAK Publication No. H-1, *KODAK Motion Picture Film* available on line at <http://www.kodak.com/US/en/motion/support/h1>.

MTF

The “perceived” sharpness of any film depends on various components of the motion picture production system. The camera and projector lenses and film printers, among other factors, all play a role. But the specific sharpness of a film can be measured and charted in the Modulation Transfer Curve.

rms Granularity

Refer to curve.

Read with a microdensitometer using a 48-micrometer aperture.

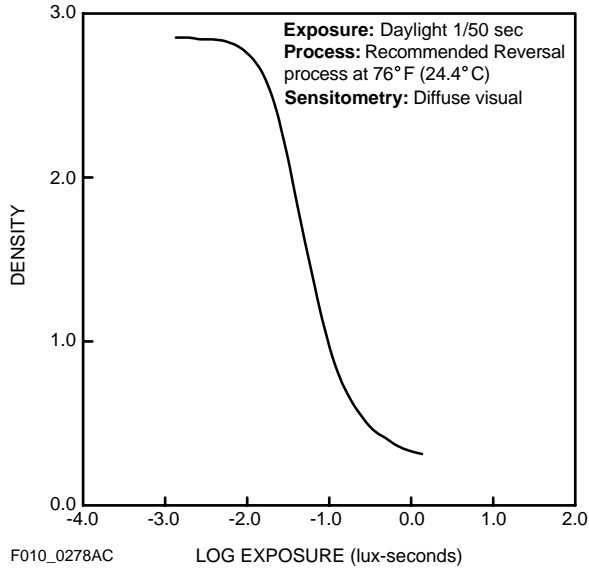
The “perception” of the graininess of any film is highly dependent on scene content, complexity, color, and density. Other factors, such as film age, processing, exposure conditions, and telecine transfer may also have significant effects.

AVAILABLE ROLL LENGTHS

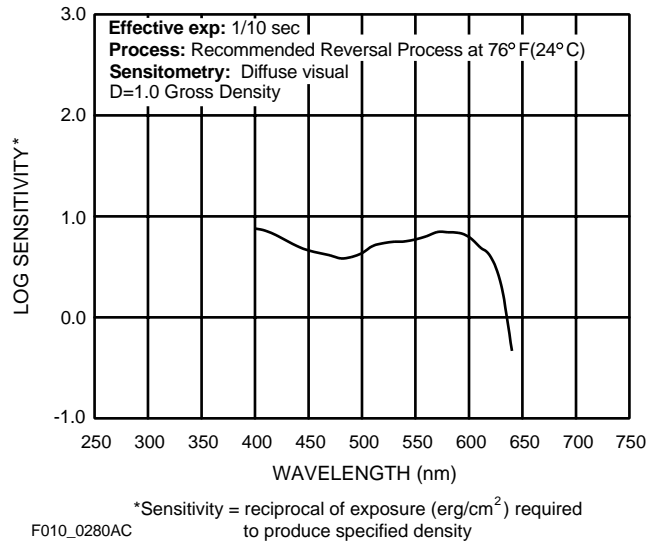
For information on film roll lengths, check Kodak's Motion Picture Film product catalog or see a Kodak sales representative in your country.

CURVES

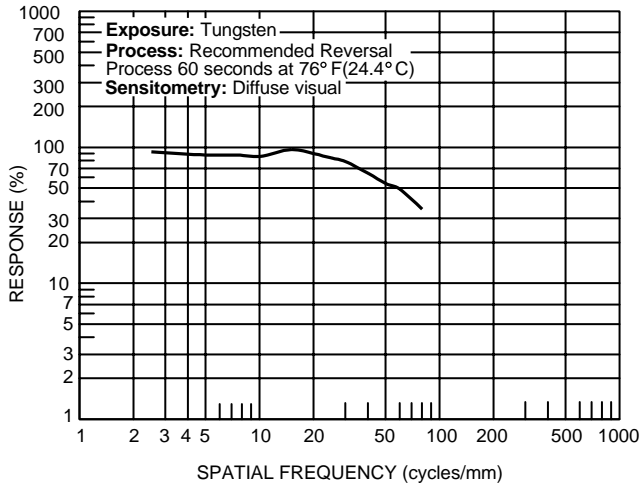
Characteristic Curve



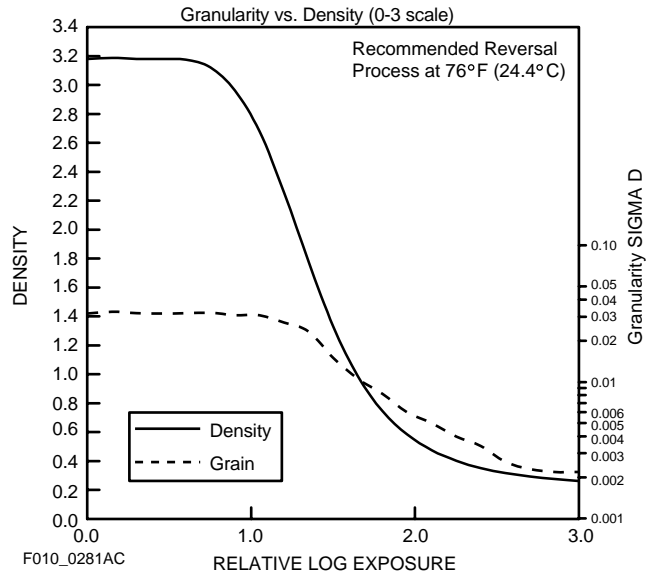
Spectral Sensitivity Curve



Modulation Transfer Function Curve



rms Granularity Curve



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.

MORE INFORMATION

Outside the United States and Canada, please contact your Kodak representative.

You can also visit our web site at www.kodak.com/go/motion for further information.

You may want to bookmark our location so you can find us easily the next time.

Films	<i>Cinematographer's Field Guide</i> KODAK Publication No. H-2
Image Structure	<i>KODAK Motion Picture Film</i> KODAK Publication No. H-1
Specification Numbers	<i>Cinematographer's Field Guide</i> KODAK Publication No. H-2
Storage	<i>KODAK Motion Picture Film</i> KODAK Publication No. H-1 <i>The Book of Film Care</i> KODAK Publication No. H-23
LAD	<i>LAD—Laboratory Aim Density</i> KODAK Publication No. H-61
Transfer	<i>KODAK Telecine Analysis Film User's Guide</i> KODAK Publication No. H-822 <i>KODAK Telecine Exposure Calibration Film User's Guide</i> KODAK Publication No. H-807

KODAK PLUS-X Reversal Film 7265

Kodak Locations

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

CHICAGO, ILLINOIS

Information: 630-910-4929

DALLAS, TEXAS

Information: 972-346-2979

HOLLYWOOD, CALIFORNIA

6700 Santa Monica Boulevard
Los Angeles, California
90038-1203

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NEW YORK, NEW YORK

360 West 31st Street
New York, New York
10001-2727

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