KODAK VISION 250D Color Negative Film 5246 / 7246

DAYLIGHT. OR MIXED LIGHT. WITHOUT COMPROMISE.

Shooting in daylight has often involved compromise. You'd start with a tungsten-balanced film and add filtration. It was not the most direct approach, but the images it produced were more pleasing and more predictable. They intercut better with those from other film stocks.

Now there's a more direct route to capturing great images in daylight or mixed light. Without the trade-offs you've had to make in the past. And with color reproduction consistent with the family of Kodak motion picture films. Because now there is KODAK VISION 250D Color Negative Film—a giant leap forward in film balanced for daylight.

This remarkable medium-speed product has grain structure and sharpness you associate with slower speed stocks. Plus, it has all the color, contrast, and latitude you've come to expect from Kodak products. Rich black shadows. Clean white highlights. Excellent flesh-to-neutral reproduction. And, it intercuts beautifully with other Kodak color negative motion picture films.

Because it's made in the most advanced Kodak sensitized complex in the world, this 250-speed, daylight-balanced film sets new standards for consistency—emulsion to emulsion, roll to roll, batch to batch. And new, more useful packaging, including scanable bar codes, peelable labels, and golden cans, make this remarkable film easy to identify.

Bring your imagination to light. Daylight. With KODAK VISION 250D Color Negative Film.

BASE

Acetate safety base with rem-jet backing.

DARKROOM RECOMMENDATIONS

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

PROCESSING

ECN-2

STORAGE

Store *unexposed film* at 13˚C (55˚F) or lower. For storage of unexposed film longer than 6 months, store at –18˚C (0˚F). Process film promptly.

EXPOSURE INDEX

Daylight (5500 K)—250; Tungsten (3200 K)—64 (with KODAK WRATTEN Gelatin Filter No. 80A)

LABORATORY AIM DENSITY

Time negative originals relative to Laboratory Aim Density (LAD) Control Film supplied by Eastman Kodak Company.

©Eastman Kodak Company, 1997

FILM LAB STORE

COLOR BALANCE

This film is balanced for exposure with daylight illumination (5500 K). For other light sources, use the correction filters in the table below:

LIGHT SOURCE	*KODAK* FILTERS ON CAMERA*	EXPO-SURE INDEX
Daylight (5500 K)	None	250
Tungsten (3000 K)	WRATTEN Gelatin No. 80A	64
Tungsten (3200 K)	WRATTEN Gelatin No. 80A	64
Tungsten Photoflood (3400 K)	WRATTEN Gelatin No. 80A	64
White-Flame Arcs	Color Compensating Filter CC20Y + CC10C	160
Optima 32	WRATTEN Gelatin Filter No. 80A	64
Vitalite	None	250
Fluorescent, Cool White	Color Compensating Filter CC20M	200
Fluorescent, Deluxe Cool White	WRATTEN Gelatin No. 82C	200
Metal Halide H.M.I.	None	250

* These are approximate corrections only. Make final corrections during printing.

POST-PRODUCTION INFORMATION

When you transfer this film directly to video, set up the telecine using negative Telecine Analysis Film (TAF).

RECIPROCITY

No filter corrections or exposure adjustments for exposure times from 1/1000 of a second to 1 second. If your exposure is in the 10-second range, increase exposure 2/3 stop and use a KODAK Color Compensating Filter CC10Y.

IDENTIFICATION

After processing, the Kodak internal product code symbol (I), product code numbers 5246 (35 mm and 65 mm) or 7246 (16 mm), emulsion and roll number identification, and EASTMAN KEYKODE Numbers are visible along the length of the film.

GRAIN

The “perception” of graininess of any film depends on scene content, complexity, color, and density. Other factors, such as film age, processing, exposure conditions, and telecine transfer may also have significant effects. In VISION 250D Film, the measured granularity is very low.

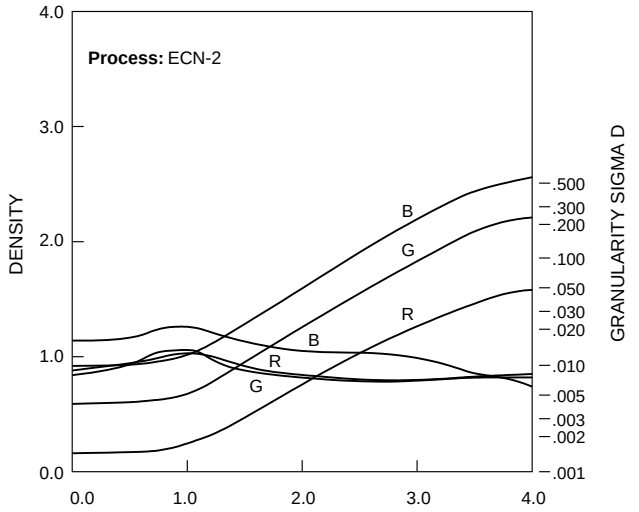
SHARPNESS

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

FILM LAB STORE

DIFFUSE RMS GRANULARITY CURVES

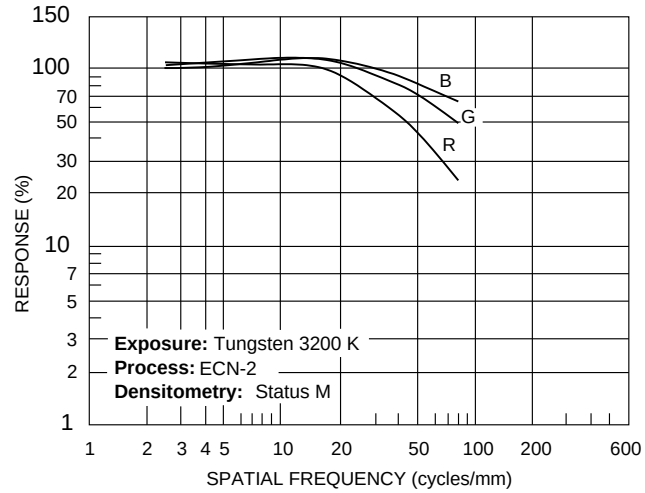
To find the rms granularity value for a given density, find the density on the left vertical scale and follow horizontally to the sensitometric curve and then go vertically (up or down) to the granularity curve. At that point, follow horizontally to the Granularity Sigma D scale on the right. Read the number and multiply by 1000 for the rms value. Note: This curve represents granularity based on modified measuring techniques.



F010_0008AC

MODULATION-TRANSFER CURVES

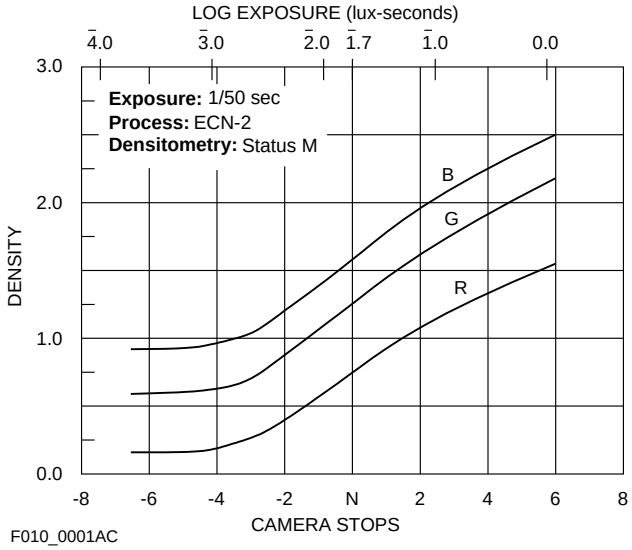
This graph shows a measure of the visual sharpness of this film. The x-axis, "Spatial Frequency," refers to the number of sine waves per millimetre that can be resolved. The y-axis, "Response," corresponds to film sharpness. The longer and flatter the line, the more sine waves per millimetre that can be resolved with a high degree of sharpness—and, the sharper the film.



F010_0005AC

SENSITOMETRIC CURVES

The center point ("N") on the x-axis corresponds to a normal exposure of an 18-percent gray card in the red, green, and blue layers of this film. A white card is 2 1/3 stops higher than normal exposure. Anything more is overexposure latitude. A 3-percent black card is 2 2/3 stops below normal exposure. Anything less is underexposure latitude.

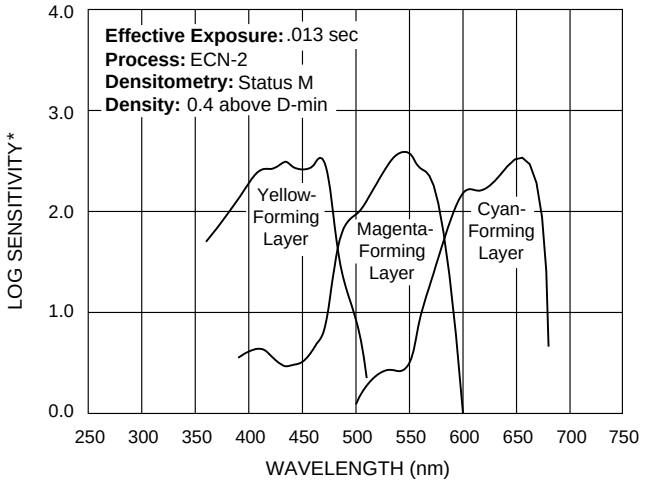


F010_0001AC

FILM LAB STORE

SPECTRAL-SENSITIVITY CURVES

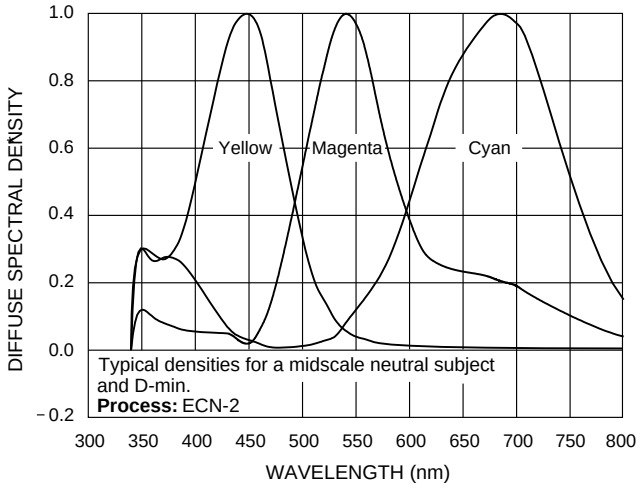
These curves depict the sensitivity of this film to the spectrum of light. They are useful for adjusting optical printers and film recorders and for determining, modifying, and optimizing exposure for blue- and green-screen special-effects work.



*Sensitivity = reciprocal of exposure (ergs^2/cm) required to produce specified density

F010_0002AC

SPECTRAL DYE PEAKS



F010_0007AC

STANDARD PRODUCTS AVAILABLE

KODAK VISION 250D Color Negative Film			
Identification No.	**Length in Feet (Metres)**	**Description**	**Perforation**
35 mm VMD417	100 (30)	Camera Spool	BH-1866
35 mm VMD718	200 (61)	On Core	BH-1866
35 mm VMD718	400 (122)	On Core	BH-1866
35 mm VMD718	1000 (305)	On Core	BH-1866
16 mm VMD449	100 (30)	Camera Spool	2R-2994
16 mm VMD450	200 (61)	Camera Spool	2R-2994
16 mm VMD451	400 (122)	On Core	2R-2994
16 mm VMD457	400 (122)	On Core, Winding B	1R-2994
65 mm VMD332	1000 (305)	On Core	KS-1866

FILM LAB STORE

ADDITIONAL INFORMATION

For assistance, call the Kodak Information Center in the U.S. at 1-800-242-2424 between 9 a.m. and 7 p.m. (Eastern time), Monday –Friday. To order the publications below, call 1-800-233-1650 between 8 a.m. and 7 p.m. (Eastern time).

FILMS

Cinematographer's Field Guide
KODAK Publication No. H-2

PROCESSING

Manual for Processing EASTMAN Motion Picture Films, Process ECN-2 Specifications, Module 7
KODAK Publication No. H-24.07

IMAGE STRUCTURE

EASTMAN Professional Motion Picture Films
KODAK Publication No. H-1

STORAGE

EASTMAN Professional Motion Picture Films
KODAK Publication No. H-1

The Book of Film Care
KODAK Publication No. H-23

LAD

LAD—Laboratory Aim Density
KODAK Publication No. H-61

TRANSFER

KODAK Telecine Analysis Film User's Guide
KODAK Publication No. H-822

KODAK Telecine Exposure Calibration Film User's Guide
KODAK Publication No. H-807

KODAK ON-LINE AT:

http://www.kodak.com/go/motion
You may want to bookmark our location so you can find us easily the next time.

FILM LAB STORE

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
1901 West 22nd Street
Oakbrook, Illinois 60521-1283
Information: 630-218-5169

DALLAS, TEXAS
11337 Indian Trail
Dallas, Texas 75229
Information: 972-481-1170

HOLLYWOOD, CALIFORNIA
6700 Santa Monica Boulevard
P. O. Box 38939
Hollywood, California 90038-1203
Information: 213-464-6131

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

FOR DIRECT ORDERING IN CANADA:
1-800-465-6325

MONTREAL, CANADA
Kodak Canada Inc.
14 Place du Commerce
lle des Soeurs
Verdun, Quebec, Canada H3E 1T5
Information: 514-761-3481

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

VANCOUVER, CANADA
Kodak Canada Inc.
840 Howe Street, Suite 300
Vancouver, British Columbia, Canada V6Z 2L2
Information: 604-684-8535

KODAK SHOOTSAVER Express Film Delivery Service (U.S. Only) 1-800-404-2106 (Visa or MasterCard only—service fee applies)

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 characteristics at any time.

Professional Motion Imaging

KODAK VISION 250D Color Negative
Film 5246 / 7246
KODAK Publication No. **H-1-5246**
CAT 810 2295

Kodak, Vision, 5246, 7246, Wratten, Eastman, Keykode, and Shootsaver are trademarks

New 4-97-BX
Printed in U.S.A.

FILM LAB STORE