



KODAK VISION3 200T COLOR NEGATIVE FILM 5213/7213

Get more from every frame.

Extreme exposure performance that always delivers.

More range, more control, more options. The KODAK VISION3 200T Color Negative Film offers consistent, quality performance in both controlled interiors and challenging high-contrast exteriors.

A 200-speed tungsten film, KODAK VISION3 200T gives you the image structure of a 100-speed film with the versatility of a 200-speed product. So you get improved extreme exposure control without sacrificing detail or definition.

For increased flexibility and creative control, along with the unrivalled highlight latitude and reduced grain in the shadows you've come to expect from KODAK Vision3 films, our KODAK VISION3 200T product delivers, every time.

Shooting on film you need to be creative, adaptable, and uncompromising. We think your film stock should be too.

KODAK VISION3 200T.

Your vision is always evolving. Ours is too.



KODAK VISION3 200T

COLOR NEGATIVE FILM 5213/7213

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

Tungsten—200 ; Daylight (5500K)—125 (with KODAK WRATTEN 2 Gelatin Filter No. 85)

Laboratory Aim Density

Time negative originals relative to Laboratory Aim Density (LAD) Control Film available from Eastman Kodak Company. More information about LAD and Digital LAD is available online at www.kodak.com/go/LAD.

Color Balance

This film is balanced for exposure with tungsten illumination (3200K). For other light sources, use the correction filters in the table to the right.

Reciprocity

No filter corrections or exposure adjustments for exposure times from 1/1000 of a second to 1 second.

Identification

After processing, the Kodak internal product code symbol (EO), product code number 5213, emulsion/roll number identification, and EASTMAN KEYCODE 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. In KODAK VISION3 200T Color Negative Film 5213/7213, the measured granularity is exceptionally low.

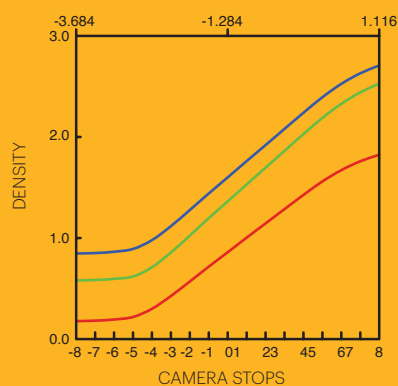
Sharpness

The perceived sharpness of any film depends on various components of the motion picture production system. Camera and projector lenses, 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.

Light Source	KODAK Filters on Camera*	Exposure Index
Tungsten (3000 K)	None	200
Tungsten (3200 K)	None	200
KINO FLO KF29	None	200
KINO FLO KF32	None	200
Daylight (5500 K)	WRATTEN2 Optical No. 85	125
Metal Halide	WRATTEN2 Optical No. 85	125
H.M.I.	WRATTEN2 Optical No. 85	125
KINO FLO KF55	WRATTEN2 Optical No. 85	125
Fluorescent, Warm White †	WRATTEN2 CC30R + CC05M	100
Fluorescent, Cool White †	WRATTEN2 CC40R	125

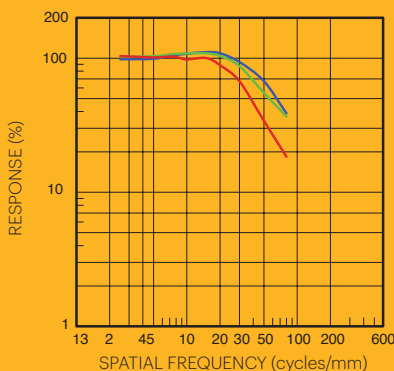
* These are approximate corrections only.

† These are starting-point recommendations for trial exposures. If the kind of lamp is unknown, a KODAK WRATTEN2 Color Compensating Filter CC30R + CC20Y can be used with an exposure index (EI) of 100.



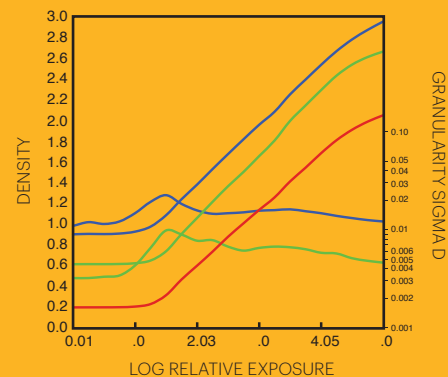
SENSITOMETRIC CURVES

"0" on the x-axis represents normal exposure of an 18-percent gray card in the red, green, and blue layers of this film. A white card is 2½ stops higher than normal exposure, and there are at least 3½ stops above that for capturing specular highlight detail. A 3-percent black card is 2½ stops below normal exposure. There are at least 2½ stops of latitude below that for capturing shadow detail.



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 millimeter that can be resolved. The y-axis, "Response," corresponds to film sharpness. The longer and flatter the line, the more sine waves per millimeter that can be resolved with a high degree of sharpness — and the sharper the film.



DIFFUSE RMS GRANULARITY CURVES

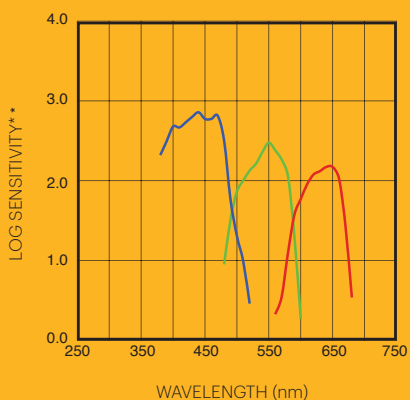
To find the rms granularity value for a given density, find the density on the left vertical scale and follow horizontally to the sensitometric curve and then go vertically (up or down) to the granularity curve. At that point, follow horizontally to the Granularity Sigma D scale on the right. Read the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

STANDARD PRODUCTS AVAILABLE*

CAT No.	Format and Specification No.	Length in meters (feet)	Core	Description	Perforations/Pitch Metric (imperial)	MOQ	FTO**
1047109	65 mm SP332	152 (500)	P	Emulsion In	KS-4740 (KS-1866)	15	Yes
1517559	65 mm SP332	305 (1000)	P	Emulsion In	KS-4740 (KS-1866)	1	
1337740	35 mm SP718	122 (400)	U	Emulsion In	BH-4740 (BH-1866)	1	
1265750	35 mm SP718	305 (1000)	U	Emulsion In	BH-4740 (BH-1866)	1	
1288497	16 mm SP455	30 (100)	R-90 100-ft. spool	Emulsion In Winding B	1R-7605 (1R-2994)	1	
8646192	16 mm SP457	122 (400)	T	Emulsion In Winding B	1R-7605 (1R-2994)	1	
1380765	S8 mm SP464	15 (50)	Super 8 Cartridge	Emulsion In Winding B	1R-4234 (1R-1667)	1	

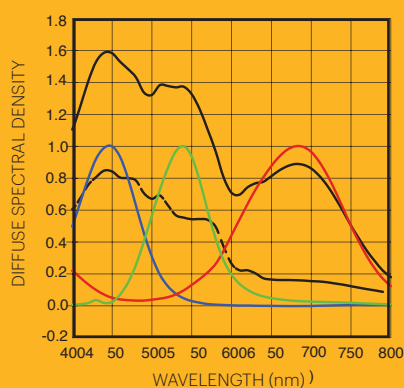
* Availability may vary by location. Contact your local Kodak representative for additional information.

** This product is available as Finish-to-Order (FTO) in various other standard roll lengths and formats. Sold only in specific minimum order quantities or multiples of the minimum order quantities; non-returnable; US and Canada delivery time of 3 weeks from receipt of purchase order. Other restrictions may apply.



SPECTRAL-SENSITIVITY CURVES

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



SPECTRAL DYE-DENSITY CURVES

These curves depict the spectral absorption of the dyes formed when the film is processed. They are useful for adjusting or optimizing any device that scans or prints the film.

NOTE: Cyan, Magenta, and Yellow Dye Curves are peak-normalized.

Spectral Sensitivity Curve Key

- Sensitivity of the yellow dye forming layer
- Sensitivity of the magenta dye forming layer
- Sensitivity of the cyan dye forming layer

Spectral Dye Density Curve Key

- Midscale Neutral
- Cyan Dye
- Magenta Dye
- Yellow Dye
- Minimum Density

Note: Sensitometric and Diffuse RMS Granularity curves are produced on different equipment. A slight variation in curve shape may be noticed.



For more information: www.kodak.com/go/motion

Sales offices: www.kodak.com/go/salesoffices

Lab directory: www.kodak.com/go/findlab

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.
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