

## EASTMAN DOUBLE-X Negative Film 5222 / 7222



## BEAUTIFUL IMAGES AND RELIABLE PERFORMANCE

Black-and-white negative films from Kodak have been a creative story telling tool for decades. EASTMAN DOUBLE-X Negative Film 5222 / 7222 has the subtleties in tone scale that you love, and is optimized for physical performance with a scratch-resistant backing and a process-surviving top layer, allowing:

- smooth camera transport
- excellent raw stock keeping
- minimal noise in the camera
- low risk of ferrotyping

Designed for general production use outdoors and in the studio, in dim light and anywhere you need greater depth of field without increased illumination. This high-speed camera negative film has excellent image-structure characteristics.

Create your story through light and shadow with a film optimized for beautiful images and reliable performance.

[www.kodak.com/go/motion](http://www.kodak.com/go/motion)

*Film. No Compromise.*

**Kodak**



## Base

EASTMAN DOUBLE-X Negative Film has a gray acetate safety base. The back side of the base contains an anti-static layer with lubricant.

## Storage

Store unexposed film at 13°C (55°F) or lower. Process exposed film promptly. Store processed film at 21°C (70°F) or lower at a relative humidity of 20 to 30 percent for normal commercial storage. For more information on long-term storage, see KODAK Publications No. H-845, *The Essential Reference Guide for Filmmakers*, at [www.kodak.com/go/referenceguide](http://www.kodak.com/go/referenceguide).

## Darkroom Recommendations

Handle unprocessed film in total darkness.

## Exposure Index

(For development to a gamma of 0.65.)

**Tungsten (3200 K): 200**

**Daylight: 250**

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.

## Filter Factors

KODAK WRATTEN Gelatin Filter No.	3	8	12	15	21	23a	25	29
Filter Factor for Daylight	1.5	1.5	2.0	3.0	3.0	5.0	8.0	20

## Reciprocity

You do not need to make any filter corrections or exposure adjustments for exposure times from 1/10,000 to 1 second.

## Processing

Use the following process recommendations as starting points 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*, at [www.kodak.com/go/h24](http://www.kodak.com/go/h24). The processing times may require modification for a particular machine.

Processing Step	Temperature °C (°F)	Time (min:sec)	Replenishment Rate mL per 30.5 metres (mL per 100 ft)	
			35mm	16mm
KODAK D-96* Developer	21 +/- 0.3 (70 +/- 0.5)	Approx 7:00†	1,250 (D-96R)	625 (D-96R)
Stop Rinse‡	21 +/- 1 (70 +/- 2)	0:50	12,000	6,000
KODAK Fixer F-5	21 +/- 1 (70 +/- 2)	6:00	850	425
Countercurrent Wash	21 +/- 1 (70 +/- 2)	10:00	12,000	6,000
Dry¶	35 (95)	—	—	—

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

† Develop to recommended control gamma of 0.65 to 0.70 calculated using Status M densitometry (blue).

‡ Fixer-laden water from wash tank, pH about 6.

¶ Drying depends on many factors such as air temperature, humidity, volume and rate of air flow, flow distribution pattern, final squeegeeing, etc.

## Identification

After processing, the product code numbers 5222 or 7222, emulsion and roll number identification, KEYCODE Numbers, and internal product symbol (E) are visible along the length of the film.

## STANDARD PRODUCTS AVAILABLE\*

FORMAT AND SPECIFICATION NO.	LENGTH IN METERS (FEET)	CORE	DESCRIPTION	PERFORATIONS/PITCH METRIC (IMPERIAL)
35 mm SP718	305 (1000)	U		BH-4740 (BH-1866)
16 mm SP455	30 (100)	R-90 100-ft spool	Winding B	1R-7605 (1R-2994)
16 mm SP445†	61 (200)	A-MINIMA	Winding A	1R-7605 (1R-2994)
16 mm SP457	122 (400)	T	Winding B	1R-7605 (1R-2994)

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

† Spec 445 can be used only in the AATON A-MINIMA Camera.

For direct ordering in the United States and Canada: 1-800-621-FILM (3456)

For additional information, visit us online at [www.kodak.com/go/motion](http://www.kodak.com/go/motion)

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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