

# SPECIFICATIONS AND CHARACTERISTICS OF KODAK AERIAL FILMS

## SPECIFICATION NUMBERS FOR KODAK AERIAL FILMS

KODAK Aerial Films, both black-and-white and color, are available in sizes to fit all American mapping and reconnaissance cameras, as well as standard European mapping cameras and many special aerial cameras. Kodak's specification (Sp) numbers have been assigned to identify film width, spool size and design, type of perforations if used, and other details for regularly supplied sizes. The following tables are only a partial list of Kodak's specification numbers for aerial films on ESTAR Base, both black-and-white and color.

**TABLE I**  
**Black-and-White Films on ESTAR Base**

The three thicknesses of ESTAR Base, 2.5-mil, 3.9-mil, and 7-mil, result in different lengths of film spooled on each standard aerial film spool. The following partial list indicates the standard length of each type of film that is supplied.

| Film Spec. No.   | Film Width         | Film Length<br>(without leader or trailer) |                      |                          | ISO 14546 Spool No. | Kodak's Spool No. | Core Diameter (inches) | Flange Diameter (inches) | Spool Material <sup>1</sup> |
|------------------|--------------------|--|----------------------|--------------------------|---------------------|-------------------|------------------------|--------------------------|-----------------------------|
|                  |                    | ESTAR Thin Base (2.5-mil)                  | ESTAR Base (3.9-mil) | ESTAR Thick Base (7-mil) |                     |                   |                        |                          |                             |
| 492 <sup>2</sup> | 70 mm              | 50 ft                                      | 40 ft                | —                        | —                   | S-147             | $\frac{31}{32}$        | $\frac{21}{8}$           | A                           |
| 493 <sup>2</sup> | 70 mm              | 100 ft                                     | 75 ft                | —                        | 2                   | S-148             | $\frac{31}{32}$        | $\frac{25}{8}$           | A                           |
| 494 <sup>2</sup> | 70 mm              | 200 ft                                     | 150 ft               | 100 ft                   | 3                   | S-241             | $\frac{31}{32}$        | $\frac{33}{4}$           | A                           |
| 533 <sup>2</sup> | 70 mm              | 500 ft                                     | 350 ft               | 200 ft                   | 4                   | S-242             | $\frac{21}{8}$         | $\frac{515}{16}$         | A                           |
| 536              | 70 mm              | 500 ft                                     | 350 ft               | 200 ft                   | 4                   | S-242             | $\frac{21}{8}$         | $\frac{515}{16}$         | A                           |
| 527 <sup>2</sup> | 70 mm              | 1,000 ft                                   | 700 ft               | 400 ft                   | 5                   | S-151             | $\frac{21}{8}$         | $\frac{75}{8}$           | S                           |
| 514              | 70 mm              | 1,000 ft                                   | 700 ft               | 400 ft                   | 5                   | S-151             | $\frac{21}{8}$         | $\frac{75}{8}$           | S                           |
| 528 <sup>2</sup> | 70 mm              | 2,000 ft                                   | 1,400 ft             | 800 ft                   | 6                   | S-65              | $\frac{21}{8}$         | $10\frac{1}{2}$          | S                           |
| 530              | 70 mm              | 2,000 ft                                   | 1,400 ft             | 800 ft                   | 6                   | S-65              | $\frac{21}{8}$         | $10\frac{1}{2}$          | S                           |
| 535 <sup>2</sup> | 70 mm              | var.                                       | var.                 | —                        | —                   | F-95 <sup>5</sup> | $\frac{13}{32}$        | —                        | S                           |
| 931              | 5 in.              | 100 ft                                     | —                    | —                        | —                   | S-32              | $1\frac{1}{4}$         | $2\frac{3}{4}$           | S                           |
| 991              | 5 in.              | 200 ft                                     | 150 ft               | —                        | 8                   | S-33              | $1\frac{1}{4}$         | $3\frac{3}{4}$           | S                           |
| 883              | 5 in.              | 500 ft                                     | 350 ft               | 200 ft                   | —                   | S-238             | $\frac{21}{8}$         | $\frac{515}{16}$         | A                           |
| 897 <sup>3</sup> | 5 in.              | 500 ft                                     | 350 ft               | 200 ft                   | —                   | S-238             | $\frac{21}{8}$         | $\frac{515}{16}$         | A                           |
| 884              | 5 in.              | 1,000 ft                                   | 700 ft               | 400 ft                   | —                   | S-239             | $\frac{21}{8}$         | $\frac{75}{8}$           | A                           |
| 898 <sup>3</sup> | 5 in.              | 1,000 ft                                   | 700 ft               | 400 ft                   | —                   | S-239             | $\frac{21}{8}$         | $\frac{75}{8}$           | A                           |
| 886              | 5 in.              | 2,000 ft                                   | 1,400 ft             | 800 ft                   | —                   | S-240             | $\frac{21}{8}$         | $10\frac{1}{2}$          | A                           |
| 899 <sup>3</sup> | 5 in.              | 2,000 ft                                   | 1,400 ft             | 800 ft                   | —                   | S-240             | $\frac{21}{8}$         | $10\frac{1}{2}$          | A                           |
| 949              | $9\frac{1}{2}$ in. | 200 ft                                     | 125 ft               | —                        | —                   | S-43              | $\frac{21}{8}$         | 4                        | S                           |
| 952              | $9\frac{1}{2}$ in. | 400 ft                                     | 250 ft               | 150 ft                   | —                   | S-46              | $\frac{21}{8}$         | $\frac{53}{16}$          | S                           |
| 981 <sup>4</sup> | $9\frac{1}{2}$ in. | —  | 250 ft               | —                        | —                   | S-46              | $\frac{21}{8}$         | $\frac{53}{16}$          | S                           |
| 955              | $9\frac{1}{2}$ in. | 500 ft                                     | 350 ft               | 200 ft                   | 18                  | S-47              | $\frac{21}{8}$         | $\frac{515}{16}$         | S                           |
| 957              | $9\frac{1}{2}$ in. | 700 ft                                     | 500 ft               | 300 ft                   | —                   | S-48              | $\frac{21}{8}$         | $\frac{65}{8}$           | S                           |
| 961              | $9\frac{1}{2}$ in. | 1,000 ft                                   | 700 ft               | 400 ft                   | 20                  | S-50              | $\frac{21}{8}$         | $\frac{75}{8}$           | S                           |
| 960              | $9\frac{1}{2}$ in. | 2,000 ft                                   | 1,400 ft             | 800 ft                   | 22                  | S-113             | $\frac{21}{8}$         | $10\frac{1}{2}$          | S                           |

<sup>1</sup>A = black enamel baked on aluminum; S = black painted steel.

<sup>2</sup>Type II perforations; in accordance with ISO Standard 14546.

<sup>3</sup>Kodak's standard perforations; 2 edges.

<sup>4</sup>Film slot taped.

<sup>5</sup>Vinten core.



AERIAL IMAGING



**SPECIFICATION NUMBERS FOR KODAK AERIAL FILMS**

**TABLE II**  
**Color Films on ESTAR Base**

In general, KODAK Color Film Emulsions are slightly thicker than black-and-white film emulsions. For this reason, color film lengths spooled on standard spools may be slightly less than black-and-white film lengths. The following partial list indicates the standard length of each type of film that would be supplied.

| Film Spec. No.   | Film Width                        | Film Length (without leader or trailer) |                      | ISO 14546 Spool No. | Kodak's Spool No. | Core Diameter (inches)         | Flange Diameter (inches)        | Spool Material <sup>1</sup> |
|------------------|-----------------------------------|---|----------------------|---------------------|-------------------|--------------------------------|---------------------------------|-----------------------------|
|                  |                                   | ESTAR Thin Base (2.5-mil)               | ESTAR Base (3.9-mil) |                     |                   |                                |                                 |                             |
| 492 <sup>2</sup> | 70 mm                             | —                                       | 35 ft                | —                   | S-147             | 3 <sup>1</sup> / <sub>32</sub> | 2 <sup>1</sup> / <sub>8</sub>   | A                           |
| 493 <sup>2</sup> | 70 mm                             | 100 ft                                  | —                    | 2                   | S-148             | 3 <sup>1</sup> / <sub>32</sub> | 2 <sup>5</sup> / <sub>8</sub>   | A                           |
| 494 <sup>2</sup> | 70 mm                             | 200 ft                                  | 100 ft               | 3                   | S-241             | 3 <sup>3</sup> / <sub>4</sub>  | 3 <sup>3</sup> / <sub>4</sub>   | A                           |
| 533 <sup>2</sup> | 70 mm                             | 400 ft                                  | 300 ft               | 4                   | S-242             | 2 <sup>1</sup> / <sub>8</sub>  | 5 <sup>15</sup> / <sub>16</sub> | A                           |
| 527 <sup>2</sup> | 70 mm                             | 800 ft                                  | 600 ft               | 5                   | S-151             | 2 <sup>1</sup> / <sub>8</sub>  | 7 <sup>5</sup> / <sub>8</sub>   | S                           |
| 535 <sup>2</sup> | 70 mm                             | var.                                    | var.                 | —                   | F-95 <sup>5</sup> | 1 <sup>3</sup> / <sub>32</sub> | —                               | S                           |
| 991              | 5 in.                             | 200 ft                                  | 100 ft               | 8                   | S-33              | 1 <sup>1</sup> / <sub>4</sub>  | 3 <sup>3</sup> / <sub>4</sub>   | S                           |
| 883              | 5 in.                             | 400 ft                                  | 300 ft               | —                   | S-238             | 2 <sup>1</sup> / <sub>8</sub>  | 5 <sup>15</sup> / <sub>16</sub> | A                           |
| 897 <sup>3</sup> | 5 in.                             | 400 ft                                  | 300 ft               | —                   | S-238             | 2 <sup>1</sup> / <sub>8</sub>  | 5 <sup>15</sup> / <sub>16</sub> | A                           |
| 884              | 5 in.                             | 800 ft                                  | 600 ft               | —                   | S-239             | 2 <sup>1</sup> / <sub>8</sub>  | 7 <sup>5</sup> / <sub>8</sub>   | A                           |
| 898 <sup>3</sup> | 5 in.                             | 800 ft                                  | 600 ft               | —                   | S-239             | 2 <sup>1</sup> / <sub>8</sub>  | 7 <sup>5</sup> / <sub>8</sub>   | A                           |
| 886              | 5 in.                             | 1,600 ft                                | 1,200 ft             | —                   | S-240             | 2 <sup>1</sup> / <sub>8</sub>  | 10 <sup>1</sup> / <sub>2</sub>  | A                           |
| 899 <sup>3</sup> | 5 in.                             | 1,600 ft                                | 1,200 ft             | —                   | S-240             | 2 <sup>1</sup> / <sub>8</sub>  | 10 <sup>1</sup> / <sub>2</sub>  | A                           |
| 949              | 9 <sup>1</sup> / <sub>2</sub> in. | 150 ft                                  | 125 ft               | —                   | S-43              | 2 <sup>1</sup> / <sub>8</sub>  | 4                               | S                           |
| 952              | 9 <sup>1</sup> / <sub>2</sub> in. | 300 ft                                  | 200 ft               | —                   | S-46              | 2 <sup>1</sup> / <sub>8</sub>  | 5 <sup>3</sup> / <sub>16</sub>  | S                           |
| 981 <sup>4</sup> | 9 <sup>1</sup> / <sub>2</sub> in. | —                                       | 200 ft               | —                   | S-46              | 2 <sup>1</sup> / <sub>8</sub>  | 5 <sup>3</sup> / <sub>16</sub>  | S                           |
| 955              | 9 <sup>1</sup> / <sub>2</sub> in. | 400 ft                                  | 300 ft               | 18                  | S-47              | 2 <sup>1</sup> / <sub>8</sub>  | 5 <sup>15</sup> / <sub>16</sub> | S                           |
| 957              | 9 <sup>1</sup> / <sub>2</sub> in. | 600 ft                                  | 400 ft               | —                   | S-48              | 2 <sup>1</sup> / <sub>8</sub>  | 6 <sup>5</sup> / <sub>8</sub>   | S                           |
| 961              | 9 <sup>1</sup> / <sub>2</sub> in. | 800 ft                                  | 600 ft               | 20                  | S-50              | 2 <sup>1</sup> / <sub>8</sub>  | 7 <sup>5</sup> / <sub>8</sub>   | S                           |
| 990              | 9 <sup>1</sup> / <sub>2</sub> in. | 1,600 ft                                | 1,200 ft             | 22                  | S-113             | 2 <sup>1</sup> / <sub>8</sub>  | 10 <sup>1</sup> / <sub>2</sub>  | S                           |

<sup>1</sup> A = black enamel baked on aluminum; S = black painted steel.

<sup>2</sup> Type II perforations; in accordance with ISO Standard 14546.

<sup>3</sup> Kodak's standard perforations; 2 edges.

<sup>4</sup> Film slot taped.

<sup>5</sup> Vinten core.

**Table III**  
**Film Widths**

The following table lists the actual width and slitting tolerances for various KODAK Aerial Films, both black-and-white and color. The film width values apply to films manufactured at their normal moisture content in equilibrium with 45 to 50 percent RH. The dimensions apply at the time of cutting and perforating film adjusted to a temperature of 23 ± 1°C (73.5 ± 1.5°F) and humidity of 50 ± 2 percent RH. These dimensions may change by permanent shrinkage due to age or by temporary shrinkage or swell due to moisture changes in the environment.

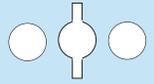
| Nominal Film Widths | Width Standards |                | Kodak's Tolerances |             |
|---------------------|-----------------|----------------|--------------------|-------------|
|                     | Inches          | Millimetres    | Inches             | Millimetres |
| 70 mm               | 2.754 ± 0.002   | 69.95 ± 0.05*  | ± 0.002            | ± 0.051     |
| 5 in.               | 4.950 ± 0.010   | 125.98 ± 0.25* | ± 0.005            | ± 0.127     |
| 9.5 in.             | 9.460 ± 0.010   | 240.28 ± 0.25* | ± 0.010            | ± 0.254     |

\*ISO Standard 14546

**Note:** Actual film width aims differ appreciably from nominal widths. The apparent inconsistency can be attributed to the common widths coming into use at different times, associated with different cameras, and originally subject to individual specifications.

**Table IV**  
**Spool Center-Hole Specifications**

The following center-hole specifications apply to spools used for both black-and-white and color aerial films.

| Kodak's Spool No.  | Configuration   | Description  |
|--|---|--|
| S-32, S-33, S-43, S-147, S-148, S-241                                  |  | 0.385-inch (9.78 mm) round hole with double keyway.  |
| S-46, S-47, S-48, S-50, S-65, S-113, S-151, S-238, S-239, S-240, S-242 |  | 0.385-inch (9.78 mm) round center hole with double keyway, and two round drive holes of 0.379-inch (9.63 mm) diameter and 1.500 inches (38.10 mm) on center. |

Aerial Imaging  
Eastman Kodak Company  
Rochester, New York 14653-7128

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# Characteristics of **KODAK** Aerial Films



| Film Type                                 | KODAK Film                                | Film Number <sup>1</sup>   | Sensitivity                             | Description and Applications   | Factory Stocked <sup>2</sup> | Nominal Base Thickness (mils) | Nominal Total Thickness (mils) | Weight (lb/ft <sup>2</sup> ) |
|---|---|--|---|--|------------------------------|-------------------------------|--------------------------------|------------------------------|
| Camera Acquisition Films                  | <b>PLUS-X AEROGRAPHIC</b>                 | 2402   | <b>Panchromatic (with extended red)</b> | Medium-speed, high dimensional stability for aerial mapping and reconnaissance   | √                            | 3.9 (10 mm)                   | 4.4                            | 0.035                        |
|   | <b>PLUS-X AERECON II</b>                  | 3404   |   | Medium-speed, fine-grain, medium- to high-altitude reconnaissance film   |                              | 2.5 (.06 mm)                  | 2.9                            | 0.022                        |
|   | <b>TRI-X AEROGRAPHIC</b>                  | 2403   |   | High-speed, high dimensional stability for aerial mapping and reconnaissance under low levels of illumination  |                              | 3.9 (10 mm)                   | 4.55                           | 0.037                        |
|   | <b>TRI-X AERECON</b>                      | SO-050   |   | Similar to 2403; thin base for increased spool capacity  |                              | 2.5 (.06 mm)                  | 3.15                           | 0.021                        |
|   | <b>DOUBLE-X AEROGRAPHIC</b>               | 2405   |   | Medium- to high-speed, standard film for mapping and charting; <i>high dimensional stability</i>   | √                            | 3.9 (10 mm)                   | 4.50                           | 0.035                        |
|   | <b>AERO LX</b>                            | 2408   |   | Intermediate-speed, very fine-grain, low- to medium- to high-altitude mapping and reconnaissance film; lower contrast  | √                            | 3.9 (10 mm)                   | 4.45                           | 0.031                        |
|   | <b>PANATOMIC-X AEROGRAPHIC II</b>         | 2412   |   | Intermediate-speed, very fine-grain, medium- to high-altitude mapping and reconnaissance film; suitable for small negative formats   | √                            | 3.9 (10 mm)                   | 4.45                           | 0.032                        |
|   | <b>PANATOMIC-X AERECON II</b>             | 3412   |   | Similar to 2412; thin base for increased spool capacity; for medium- to high-altitude reconnaissance   |                              | 2.5 (.06 mm)                  | 2.95                           | 0.021                        |
|   | <b>AERECON High Altitude</b>              | 3409   |   | Thin base, slow-speed, high-definition film for high-altitude reconnaissance   |                              | 2.5 (.06 mm)                  | 2.99                           | 0.022                        |
|   | <b>Infrared AEROGRAPHIC</b>               | 2424   | <b>B&amp;W IR</b>                       | Reduction of haze effects, water location, vegetation surveys and multispectral aerial photography   | √                            | 3.9 (10 mm)                   | 4.25                           | 0.032                        |
|   | <b>AEROCROME III Infrared</b>             | 1443   | <b>Color IR</b>                         | False-color reversal and negative film, high dimensional stability for forestry surveys, agriculture and hydrology   | √                            | 3.9 (10 mm)                   | 5.11                           | 0.039                        |
|   | <b>AEROCROME III Infrared NP</b>          | SO-734   | <b>Color IR</b>                         | Similar to 1443; greater infrared response suitable for higher altitudes   | √                            | 3.9 (10 mm)                   | 5.11                           | 0.039                        |
|   | <b>AEROCOLOR III Negative</b>             | 2444   | <b>Color</b>                            | Medium-speed, <b>color-negative</b> film for mapping and reconnaissance  | √                            | 3.9 (10 mm)                   | 5.2                            | 0.040                        |
| <b>AEROCROME III MS</b>                   | 2427                                      | <b>Color-reversal</b> film for low- to medium-altitude aerial mapping and reconnaissance         |   | √  | 3.9 (10 mm)                  | 5.44                          | 0.038                          |                              |
| <b>AEROCOLOR HS</b>                       | SO-846                                    | High-speed <b>color-negative</b> film for low-altitude aerial photography                        |   | √  | 3.9 (10 mm)                  | 5.4                           | 0.041                          |                              |
| <b>AEROCROME HS</b>                       | SO-359                                    | High-speed <b>color-reversal</b> film for low-to-medium altitude mapping and reconnaissance      |   | √  | 3.9 (10 mm)                  | 4.8                           | 0.037                          |                              |
| Duplicating Films                         | <b>AEROCROME Duplicating</b>              | SO-485   | <b>Color</b>                            | Low-contrast, color-reversal film for making duplicate transparencies from KODAK EKTACHROME and AEROCROME Film originals, good color balance, high resolution and high dimensional stability | √                            | 7 (.18 mm)                    | 7.9                            | 0.058                        |
|   | <b>AEROGRAPHIC RA Duplicating</b>         | 2425   | <b>Blue</b>                             | Extremely fine-grain film for duplicating from medium-grain aerial negatives; high dimensional stability; rapid access processing  | √                            | 3.9 (10 mm)                   | 4.2                            | 0.032                        |
|   | <b>Aerial RA Duplicating</b>              | SO-023   |   | Similar to 2425; thin base for maximum spool capacity and minimum storage space  |                              | 2.5 (.06 mm)                  | 2.85                           | 0.022                        |
|   | <b>AEROGRAPHIC RA Duplicating</b>         | 4425   |   | Similar to 2425; thick base for maximum dimensional stability (sheets for aerial diapositives)   | √                            | 7 (.18 mm)                    | 7.35                           | 0.054                        |
|   | <b>AEROGRAPHIC Direct Duplicating</b>     | 2422   |   | Extremely fine-grain film for <b>one-step duplication</b> of high-definition aerial negatives or positives   | √                            | 3.9 (10 mm)                   | 4.2                            | 0.030                        |
|   | <b>High Resolution Aerial Duplicating</b> | SO-192   |   | Microfine grain with ultra high resolving power for duplicating fine-grain aerial films  |                              | 3.9 (10 mm)                   | 4.26                           | 0.032                        |
| <b>High Resolution Aerial Duplicating</b> | SO-187                                    | Similar to SO-192; thick base for maximum dimensional stability (sheets for aerial diapositives) |   |  | 7 (.18 mm)                   | 7.26                          | 0.054                          |                              |

**NOTES:**

- Films having an "SO" designation are more subject to future variations as products are improved to meet changing customer requirements.
- Nonfactory-stocked and some items may require 30 to 90 days for delivery. Not all film sizes and specifications are factory stocked.
- Aerial Film Speeds (ISO A) are for use with the latest KODAK Aerial Exposure Computer, KODAK Publication No. AS-10 (2/194 edition), in determining the correct exposure for aerial (air-to-ground) photography. ISO A speeds are not equivalent to, and should not be confused with, conventional film speeds used in pictorial photography. (All speed values given on this chart were obtained by rounding the calculated values to the nearest  $\sqrt{2}$  step (equivalent to a  $1/2$  f-stop).
- The image structure characteristics of the black-and-white camera acquisition films are based on processing in a KODAK VERSAMAT Film Processor, Model 11.
- The KODAK VERSAMAT Chemicals and processes shown in **boldface** type in this column were used to determine the image structure characteristics as well as the Aerial Film Speeds of all the films.
- Without a filter.
- With a KODAK WRITTEN Filter No. 12, or equivalent.
- Haze filters such as KODAK Haze Cutting Filter HF-3, or HF-3/HF-4 and HF-3/HF-5 filter combinations may be necessary, depending on altitude and haze conditions.
- Process AN-6 consists of chemicals selected from EA-5 and AN-6 chemicals.
- Develop at 92°F for 3 minutes 45 seconds.

# Characteristics of **KODAK** Aerial Films



| Film Type                                 | KODAK Film                                | Film Number <sup>1</sup> | Backing     | Aerial Film Speed <sup>3</sup> (ISO A) | Resolving Power (lines/mm) |                           | Diffuse RMS Granularity <sup>4</sup> | KODAK Safelight Filter | Processes and KODAK VERSAMAT Chemicals <sup>5</sup> | Kodak's Literature References |
|---|---|--------------------------|-------------|--|----------------------------|---------------------------|--------------------------------------|------------------------|---|-------------------------------|
|   |   |                          |             |  | T.O.C. 1000:1 <sup>4</sup> | T.O.C. 1.6:1 <sup>4</sup> |                                      |                        |   |                               |
| Camera Acquisition Films                  | <b>PLUS-X AEROGRAPHIC</b>                 | 2402                     | Dyed-Gel    | 200                                    | 130                        | 55                        | 20                                   | Total Darkness         | 885; 641; Type A                                    | AS-45                         |
|   | <b>PLUS-X AERECON II</b>                  | 3404                     | Dyed-Gel    | 200                                    | 130                        | 55                        | 20                                   | Total Darkness         | 885; 641  | AS-202                        |
|   | <b>TRI-X AEROGRAPHIC</b>                  | 2403                     | Dyed-Gel    | 500                                    | 100                        | 40                        | 40                                   | Total Darkness         | 885; 641; Type A                                    | AS-24                         |
|   | <b>TRI-X AERECON</b>                      | SO-050                   | Dyed-Gel    | 500                                    | 100                        | 40                        | 40                                   | Total Darkness         | 885; 641; Type A                                    | AS-24                         |
|   | <b>DOUBLE-X AEROGRAPHIC</b>               | 2405                     | Dyed-Gel    | 400                                    | 125                        | 50                        | 26                                   | Total Darkness         | 885; 641; Type A                                    | AS-7                          |
|   | <b>AERO LX</b>                            | 2408                     | Dyed-Gel    | 40                                     | 250                        | 200                       | 8                                    | Total Darkness         | 885; 641; Type A                                    | AS-208                        |
|   | <b>PANATOMIC-X AEROGRAPHIC II</b>         | 2412                     | Dyed-Gel    | 40                                     | 400                        | 125                       | 9                                    | Total Darkness         | 885; 641  | AS-112                        |
|   | <b>PANATOMIC-X AERECON II</b>             | 3412                     | Dyed-Gel    | 40                                     | 400                        | 125                       | 9                                    | Total Darkness         | 885; 641  | AS-112                        |
|   | <b>AERECON High Altitude</b>              | 3409                     | Dyed-Gel    | 16                                     | 630                        | 320                       | 9                                    | Total Darkness         | 885   | AS-210                        |
|   | <b>Infrared AEROGRAPHIC</b>               | 2424                     | Fast-Drying | 400 <sup>6</sup>                       | 125                        | 50                        | 27                                   | Total Darkness         | 885; 641; Type A                                    | AS-58                         |
|   | <b>AEROCROME III Infrared</b>             | 1443                     | Gel         | 40 <sup>7</sup>                        | 100                        | 63                        | 23                                   | Total Darkness         | AR-5/C-41 <sup>10</sup>                             | AS-77                         |
|   | <b>AEROCROME III Infrared NP</b>          | SO-734                   | Gel         | 40 <sup>7</sup>                        | 100                        | 63                        | 23                                   | Total Darkness         | AR-5/C-41 <sup>10</sup>                             | AS-77                         |
|   | <b>AEROCOLOR III Negative</b>             | 2444                     | Gel         | 125                                    | 125                        | 80                        | 13                                   | Total Darkness         | AN-6 <sup>9</sup> /C-41                             | AS-116                        |
|   | <b>AEROCROME III MS</b>                   | 2427                     | Gel         | 32 <sup>8</sup>                        | 100                        | 80                        | 13                                   | Total Darkness         | AR-5  | AS-2569                       |
| <b>AEROCOLOR HS</b>                       | SO-846                                    | Gel                      | 160         | 100                                    | 63                         | 9                         | Total Darkness                       | C-41                   | AS-205  |                               |
| <b>AEROCROME HS</b>                       | SO-359                                    | Fast-Drying              | 125         | 80                                     | 25                         | 19                        | Total Darkness                       | E-6                    | AS-207  |                               |
| Duplicating Films                         | <b>AEROCROME Duplicating</b>              | SO-485                   | Fast-Drying | —                                      | 80                         | 40                        | 12                                   | Total Darkness         | E-6   | AS-76                         |
|   | <b>AEROGRAPHIC RA Duplicating</b>         | 2425                     | Fast-Drying | —                                      | 160                        | 63                        | 12                                   | 1 (red)                | 885; 641; RA2000                                    | AS-31                         |
|   | <b>Aerial RA Duplicating</b>              | SO-023                   | Dyed-Gel    | —                                      | 160                        | 63                        | 12                                   | 1 (red)                | 885; 641; RA2000                                    | AS-31                         |
|   | <b>AEROGRAPHIC RA Duplicating</b>         | 4425                     | Dyed-Gel    | —                                      | 160                        | 63                        | 12                                   | 1 (red)                | 885; 641; RA2000                                    | AS-31                         |
|   | <b>AEROGRAPHIC Direct Duplicating</b>     | 2422                     | Fast-Drying | —                                      | 500                        | 200                       | 6                                    | 1 (red)                | 885; 641  | AS-41                         |
|   | <b>High Resolution Aerial Duplicating</b> | SO-192                   | Fast-Drying | —                                      | 800                        | 250                       | < 5                                  | 1 (red)                | 885   | AS-201                        |
| <b>High Resolution Aerial Duplicating</b> | SO-187                                    | Fast-Drying              | —           | 800                                    | 250                        | < 5                       | 1 (red)                              | 885                    | AS-201  |                               |

For information about sizes, prices, minimum orders, special orders, etc., write or phone:

Aerial Imaging  
Eastman Kodak Company  
Rochester, New York 14653-7128  
(585) 253-1855

