

KS

KOREAN INDUSTRIAL STANDARD

Microfiche of Source Documents

KS X 5906-1991

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Microfiche of Source Documents

1. Scope

This Korean Industrial Standard specifies the A6 size microfiches of 60 frame form and 98 frame form used for the purposes of distribution and exchange of source documents and drawings (hereinafter referred to as "documents").

2. Terms & Definitions

Principal definitions used in this standard shall be as follows :

(1) microfiche

The microfilm prepared by arranging many microimages crosswise in a transparent sheet state film. The header or the like of size capable of being read by the naked eye are included therein.

(2) column

The vertical column of frames on a microfiche.

(3) row

The lateral row of frames on a microfiche.

(4) cutting mark

The optical read mark necessary for automatically cutting a roll film into microfiches.

(5) grid line

The imaginary vertical and horizontal lines dividing rectangularly the upside of microfiche.

(6) frame

The area which is rectangularly divided by grid lines.
A microimage and the margin of frame are contained in the frame (see 4.1).

(7) single frame

The minimum unit of frame (refer to Attached Figs. 1 and 2).

(8) double frame

The laterally neighbouring two single frames which are combined en bloc (refer to Attached Figs. 1 and 2).

(9) microfiche margin

The marginal blank portion of microfiche.

(10) header

The header indicated by the character or the like of size capable of reading necessary various items by the naked eye for the purposes of easily identifying individual microfiche from plural microfiches and of achieving the accommodation of control and utilization thereof.

(11) heading area

The area for the purpose of indicating a header (the hatched portion of Attached Figs. 1 and 2).

(12) heading area backing

The opaque or semi-opaque working layer processed on the back surface of heading area for the purposes of making the header be easily read by the reflected light, or of identifying many microfiches by colours.

(13) microimage

The image photographed within a frame.

(14) reduction ratio

The ratio of length of the microimage to the document to be photographed.

3. Physical Characteristics

3.1 External Dimensions of Film

The external dimensions of microfiche shall be $105^{+0}_{-0.75} \times 148^{+0}_{-1}$ mm and the square-nesses of either of neighbouring both sides to the bottom side shall be within 0.5mm (refer to Attached Figs. 1 and 2).

3.2 Thickness

The thickness of the film used for the microfiche shall be as follows under the Industrial Standard of the manufacturing country but shall be from 0.10mm to 0.22mm.

3.3 Microfiche Margins

The microfiche margins on the bottom side and the left side of microfiche shall have respectively a width of 4 ± 0.5 mm (refer to Attached Figs. 1 and 2).

3.4 Frame Dimension

The frame dimensions of microfiche shall be as follows :

3.4.1 Microfiche 60 frame form (refer to Attached Fig. 1)

Single frame 16.50mm $\times$ 11.75mm

Double frame 16.50mm $\times$ 23.50mm

3.4.2 Microfiche 98 frame form (refer to Attached Fig. 2)

Single frame 12.50mm $\times$ 10.00mm

Double frame 12.50mm $\times$ 20.00mm

3.5 Heading Area Backing

Opaque or semi-opaque backing material may be used for the heading area. However, when the heading area is processed with backing, the thickness of processing shall

be 0.01mm max.

3.6 Identification of Sensitized Side

In order to easily identify the sensitized side of microfiche, a notch or a corner cut may be used. When the microfiche is held with the long sides in a vertical position and the notch or the corner cut is in the upper right-hand corner, the sensitized side shall be toward the observer. When a notch is used, it shall be made in the shorter side of the sheet, near the appropriate corner. The notch may be of optional shape. However, it shall not penetrate more than 1.6mm inward from the edge of microfiche. When a corner cut is used, it shall be made in an appropriate corner of the heading area only. The dimensions of corner cut shall be of 6mm max. along the longer side and of 9mm max. along the shorter side (refer to Attached Figs. 1 and 2).

3.7 Corner Rounding

Each corner of microfiche may be rounded. However, those corners which have been subjected to a corner cut, shall be excepted. When corners are rounded, the process shall not remove more than 3mm of either of the two edges forming the corner.

3.8 Cutting Mark

The microfiche may carry a cutting mark. This cutting mark shall be of square of 3mm and its center shall be located at 32 ± 0.2 mm from the left end. The bottom side of the square shall be within 0.2mm from the reference side of microfiche (refer to Attached Figs. 1 and 2).

3.9 Reference for Measurement of Dimensions

The dimensions shall be always measured by taking the bottom side (reference side) and the left-hand bottom corner (reference corner) of microfiche as references (refer to Attached Figs. 1 and 2).

3.10 Curl

As for the film used for microfiche, the height owing to curl of each part shall be 6.5mm max. from the flat surface.

3.11 Resolving Power and Commercial Grade Number

The resolving power and the commercial grade number shall be as described in Appendix. 1.

3.12 Safety of Film

The film shall be safety film and the safety of film shall be in accordance with the Industrial Standard of manufacturing country.

4. Microimage Placement and Orientation

4.1 A frame margin is provided inside the frame specified in 3.4 and a microimage shall be positioned inside it. This frame margin indicates the region of at least 0.15mm inward from the grid line. A microimage is not generally photographed within this region.

4.2 A microimage shall conform to the conditions of following each items.

(1) When the microfiche is held so that the heading area is made upper and the header