

JIS

JAPANESE INDUSTRIAL STANDARD

Prepaid cards — Shopping use — Physical characteristics and dimensions

JIS X 6311—1996

Translated and Published

by

Japanese Standards Association

Printed in Japan

AVA Documents
Document Sharing Hub

**In the event of any doubt arising,
the original Standard in Japanese is to be final authority**

Errata for JIS (English edition) are printed in *Standardization Journal*, published monthly by the Japanese Standards Association.

Errata will be provided upon request, please contact:

**Business Department,
Japanese Standards Association**
4-1-24, Akasaka, Minato-ku,
Tokyo, JAPAN 107
TEL. 03-3583-8002
FAX. 03-3583-0462

Errata are also provided to subscribers of JIS (English edition) in *Monthly Information*.

JAPANESE INDUSTRIAL STANDARD

J I S

Prepaid cards – Shopping use –
Physical characteristics and dimensions

X 6311-1996

1. Scope This Japanese Industrial Standard specifies physical characteristics, shape and dimensions of prepaid cards (hereafter referred to as “card”) mainly for the purpose of shopping out of the cards specified in JIS X 6310.

Remarks: The standards cited in this Standard are given in the following :

JIS C 2318	Polyester films for electrical purposes
JIS K 5400	Testing methods for paints
JIS P 8115	Paper and board – Determination of folding endurance by MIT tester
JIS P 8125	Board – Determination of stiffness by Taber stiffness tester
JIS X 6310	Prepaid card – General specifications
JIS Z 8703	Standard atmospheric conditions for testing

2. Definitions For the purposes of this Standard the definitions specified in JIS X 6310 apply.

3. Physical characteristics Physical characteristics of the card shall be tested in accordance with 6. and comply with the following requirements :

- (1) Tensile strength The tensile strength of the card shall not be less than 127.4 N/mm².
- (2) Impact strength The card shall be free from generation of cracking, crazing, etc.
- (3) Bending stiffness The bending stiffness of the card shall not be less than 200 times of folding.
- (4) Stiffness The stiffness of the card shall not be less than 1.76 mN·m.
- (5) Surface strength The surface strength of front and back surfaces of the card shall not be less than H of hardness degree symbol of pencil.
- (6) Warpage The warpage of the card shall not be more than 1.8 mm in long side direction and not more than 1.3 mm in short side direction.
- (7) Exfoliation Exfoliation shall not be generated between the layers of the card.
- (8) Heat resistance The front and back surfaces of the card shall be free from change.
- (9) Low temperature resistance The front and back surfaces of the card shall be free from change.
- (10) Thermal elongation property The thermal elongation rate of the card shall not be more than 3 %.
- (11) Chemical resistance as immersed The exfoliation shall not be generated between