

JIS

JAPANESE INDUSTRIAL STANDARD

Polyethylene Film Bags

JIS Z 1711—1986

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Polyethylene Film Bags

Z 1711-1986

1. Scope

This Japanese Industrial Standard specifies the polyethylene film bags, hereinafter referred to as the "bags", used for business affairs and household light packaging bags.

Remark: The units and the numerical values given in { } in this standard are in accordance with conventional system of units and are standard values.

2. Definitions

Principal definitions used in this standard shall be in accordance with JIS K 6900.

3. Classification

The bags shall be classified into two classes of flat bag and U-shaped bag according to structure and shape.

4. Structure and Shape

The standard structure and shape of bags are given in Table 1 and Figure.

Table 1. Structure and Shape of Bags

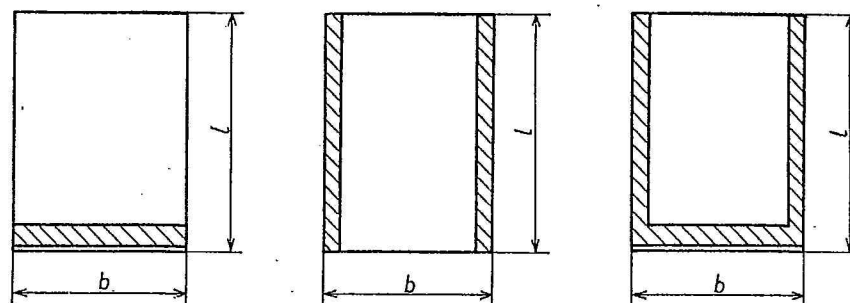
Class	Structure	Shape
Flat bag	Flat bag	Square
U-shaped bag	Gusseted ⁽¹⁾ bag	U-shape

Note (1). The gusset herein means the portion which is folded inward by goffering both sides of flattened inflation tube.

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Figure. Structure and Shape of Bags (Example)

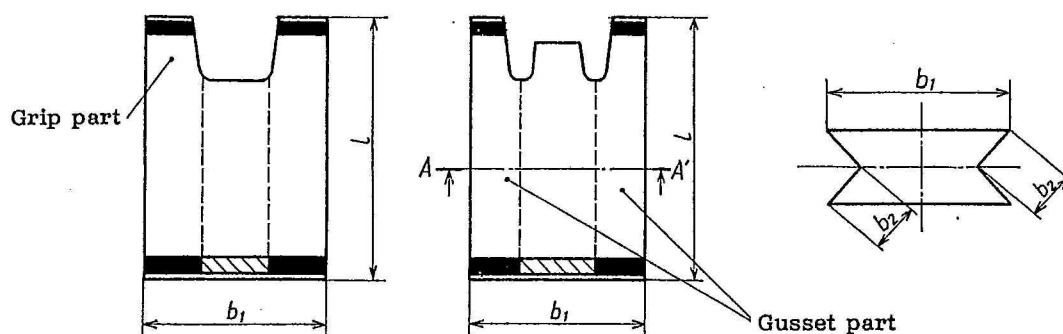
Flat Bag (Bottom Seal) Flat Bag (Side-Seal) Flat Bag (Three Side Seal)



U-Shaped Bag (1)

U-Shaped Bag (2)

Section of U-Shaped Bag (A-A')
(When gusset is expanded)



- Remarks 1. l is the length of bag and b is the width of bag. In that case, the width of U-shaped bag is the width of total body ($b = b_1 + 2b_2$) when the gusset is expanded. Herein, b_1 is the finish width of bag and b_2 is the tucking in width of gusset part.
2. The slanting line part and the part painted bodily by black indicate the heat seal part. The slanting line part indicates the flat seal part and the part painted bodily by black indicates the gusset seal part.

5. Materials

The materials used for bags shall be 3 classes of Class 1 A, Class 1 B, and Class 2 B specified in JIS Z 1702 as for flat bags. Further, the material is only Class 2 B specified in JIS Z 1702 as for U-shaped bags.

6. Dimensions and Tolerances

6.1 Dimensions The number, width, length, and nominal thickness of bags shall be as given in Table 2.1, Table 2.2, and Table 3.

Table 2.1. Flat Bags (Bags Principally Used for Business Affairs Use)

Unit: mm

Number	Width b	Length l	Nominal thickness t_0		
			Class 1 A or Class 1 B		Class 2 B
1	70	100	0.020	0.030	
2	80	120			
3	80	150			
4	90	170			
5	100	190			
6	100	210			
7	120	230			
8	130	250			
9	150	250			
10	180	270			
11	200	300			0.010
12	230	340			
13	260	380			
14	280	410			
15	300	450			
16	340	480			
17	360	500			
18	380	530			
19	400	550			
20	460	600			

Remark: The Class 1 A, Class 1 B, and Class 2 B in the table indicate the classes of the materials specified in JIS Z 1702.