

JIS

JAPANESE INDUSTRIAL STANDARD

Polyethylene Bottles

Ⓔ JIS Z 1703 -1976

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J I S

Polyethylene Bottles

Z 1703-1976
(Reaffirmed: 1980)

1. Scope

This Japanese Industrial Standard specifies polyethylene bottles used as containers for industrial chemicals, reagents, agricultural chemicals, medicines, distilled water, etc., hereinafter referred to as the "bottles".

2. Classification

The bottles are classified into the following two classes according to their character:

Class 1 (bottles which are fairly flexible)

Class 2 (bottles which are fairly rigid)

3. Quality

The bottles shall be uniform in quality, be free from scratch and crack on both inner and outer surface, and free from such defects as bubbles and mixing of foreign substances detrimental to practical service, and shall comply with the requirements given in Table 1.

Table 1

Leak test	No leakage shall occur
Drop test	No damage nor loss of air-tightness of stopper shall occur
Boiling test	Variation of internal capacity shall be within 6 %
Stress cracking test	Shall show the value agreed between the parties concerned or more
Damage test of stopper	No damage shall occur

4. Shape and Dimensions

The shapes and dimensions of bottles shall be as given in Fig. 1, Fig. 2, Table 2 and Table 3, and internal and external stoppers made of polyethylene specified in 5. shall accompany with the bottles.

The space left when a bottle is filled with a content of the nominal content volume shall be not less than 5 % of the nominal content volume.

Applicable Standard:

JIS Z 0202-Method of Drop Test for Packages and Shipping Containers