

HS 3002 Fold Resistance Test**1. Purpose**

This test is used to assess the resistance to fold of containers with attached lid.

2. Terminology

2.1 Disposable food /drink container

Containers of any shape are being used for temporary storage of food or beverage and disposed of after use.

3. Apparatus – Nil**4. Procedures**

4.1 Perform the test in an environment of $23\text{ }^{\circ}\text{C} \pm 2\text{ }^{\circ}\text{C}$ and $50\% \pm 5\%$ relative humidity.

4.2 Continuously fold and unfold the test specimen container harshly for 15 times (see Figure 1).

4.3 Check if there are any cracks in the hinge.

4.4 For each sample, test three replicates.

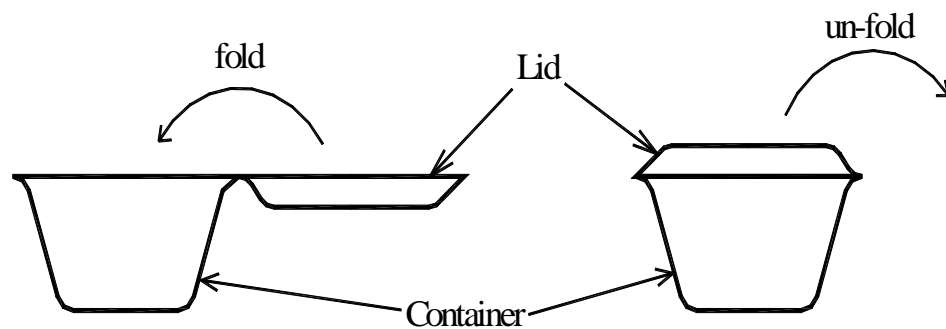


Figure 1: Schematic diagram to show the fold resistance test of the container.

5. Results

Record any flaws or cracks that occur at the hinge for the three tested specimens. If more than one test specimen crack at the hinge, then the sample has failed the physical test.

6. References

1. JIS S2029, Plastic Table Wares, Japanese Industrial Standards, Japanese Standards Association.
2. GB 18006.1-1999, General Specification for Single Use and Degradable Lunch Container and Drinking Set, China National Standards, China State Bureau of Quality and Technical Supervision (CSBTS).