

**KES**

Method for Determination  
of Apparent Density of  
Cellular Plastics

KES T – L305

(EST.) 1989 – 11 – 30

Contents

1. Scope of Application

2. Test Method

Additional Rules



## 1. Scope of Application

This standard shall prescribe about the method for determination of apparent density of hard and soft cellular plastics.

## 2. Test Method

- (1) Test sample : Acquire the volume 100 cm<sup>3</sup> or greater of test sample, which is appropriate for the apparatus and not changing form of the original material. Record the acquisition place and existence of the surface skin of test sample.
- (2) Number of test sample: Test more than 3 of test sample.
- (3) Preprocessing of test sample : Preprocess the test sample for more than 40 hours under the conditions as temperature of  $20 \pm 2$  °C, relative humidity of  $65 \pm 5$  %.
- (4) Test method : Measure the size of test sample up to 0.1 mm and express as cm. Use the measurement value to calculate the volume.  
Measure the weight of test sample up to 0.01 g and express as gram.  
The density is expressed as grams per cubic centimeters and calculated with the following equation

$$\text{Apparent Density} = \frac{\text{Weight of test sample}}{\text{Volume of test sample}} \dots\dots\dots(1)$$

## Additional Rules

This standard takes effect on Nov. 30, 1989.

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**Quoted Standard : KS M 3035**

(Method for Determination of Apparent Density of Cellular Plastics)