

KES

The Specification of Adhesive for
Gasket

KES B-L022

(EST.) 1988 - 03 - 22

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1. Scope of Application

This standard specifies the quality and the test methods for adhesive materials used to prevent the gasket from detaching.

2. Material Symbol

The material symbol for adhesives used for adhering gaskets is defined as A-AC01.

3. Quality

The main component of the adhesives are chloroprene type artificial rubber and phenol type rosin. The evaluation results shall be as in Table 1.

4. General Conditions for Test

(1) Standard atmospheric condition of testing

The temperature and the relative humidity of the testing place shall be maintained at $20 \pm 2^\circ\text{C}$ and $65 \pm 5\%$, respectively.

(2) Sampling

The sample is collected so that it has uniform quality and is stored in an airtight vessel.

(3) Setting agent

In principle, the SCP steel plate and gasket material are used as setting agent. But it may be changed under the consultation between the concerned parties. In that situation, the material used as setting agent shall be recorded in the evaluation results.

5. Testing Method

5.1 Physical Appearance

The change in color, the separation of layer, and the gelation is inspected by observing.

5.2 Specific Weight

Shall conform to 6.1 of KS M 3705 (General testing methods for adhesives)

5.3 Kinematic viscosity

Shall conform to 6.3 of KS M 3705.

5.4 Unvolatile Component

Shall conform to 6.4 of KS M 3705.

5.5 Storage Stability

Shall conform to 7.4 of KS M 3705.

5.6 Shear Strength

Shall conform to KS M 3734. (Testing methods for strength properties of adhesives in shear by tension loading)

(1) Shear strength at atmospheric temperature

The test piece is hardened by exposing it to the atmospheric temperature for 48 hours.