

JIS

JAPANESE INDUSTRIAL STANDARD

Testing methods for flexural strength of adhesive bonds

JIS K 6856—1994

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by

Japanese Standards Association

In the event of any doubt arising,
the original Standard in Japanese is to be final authority.

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of adhesive bonds

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1. Scope This Japanese Industrial Standard specifies the testing methods for flexural strength of adhesive bonds.

Remarks 1. The standards cited in this Standard are listed in the following:

JIS B 7721 Tensile testing machines

JIS K 6800 Glossary of terms used in adhesives and adhesion

JIS K 6848 General rules for testing methods of bonding strength of adhesives

JIS K 6900 Plastics — Vocabulary [ISO 472: 1988]

JIS Z 8703 Standard atmospheric conditions for testing

2. The units and values given in { } in this Standard are based on the traditional units, and are appended for informative reference.

2. Definitions The definitions of main terms used in this Standard shall follow those specified in JIS K 6800 and JIS K 6900.

3. General condition for tests

3.1 Standard atmospheric condition in laboratory The standard atmospheric condition in laboratory shall follow 3.1 of JIS K 6848.

In case of wood and wooden material, class 5 temperature ($20 \pm 5^{\circ}\text{C}$) of standard atmospheric condition and class 20 humidity [$(65 \pm 20) \%$] of standard atmospheric condition specified in JIS Z 8703 may be adopted. In this case, the temperature and humidity in the laboratory adopted for test shall be recorded in the test results.

3.2 Conditioning of adhesive bonds and rounding off of measured values The conditioning of adhesive bonds and rounding off of measured values shall follow respectively 3.2 and 3.3 of JIS K 6848.

4. Sampling method and handling method of adhesive bonds The sampling method and handling method of adhesive bonds shall follow 4. of JIS K 6848.

5. Testing method The testing method shall be classified into 2 methods, that is, A method and B method.

5.1 A method

5.1.1 Tester Use the tester specified in JIS B 7721, of which the breaking load for test piece falls between 15 % and 85 % of its capacity, and of which the vertical movement at central fulcrum is 10 mm per minute.