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Test methods for wool felts

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Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law. Consequently **JIS L 1087 : 1997** is replaced with **JIS L 1087 : 2002**.

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Test methods for wool felts

Introduction This Japanese Industrial Standard to which no International Standards correspond was developed in 1987 as the test methods for wool felts in Japan.

In the revision on this occasion, the number and title of the standards applying to this Standard as the normative references were changed along with their revision and the form of the presentation was also changed in accordance with **JIS Z 8301**.

1 Scope This Standard specifies the test methods for appraising wool felts.

2 Normative references The following standards contain provisions which, through reference in this Standard, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

- JIS K 0557 *Water used for industrial water and wastewater analysis*
- JIS K 6253 *Hardness testing methods for rubber, vulcanized or thermoplastic*
- JIS K 8161 *Dichloromethane*
- JIS L 0105 *General principles of physical testing methods for textiles*
- JIS L 0208 *Glossary of terms used in textile industry—Testing*
- JIS L 0842 *Test methods for colour fastness to ultraviolet carbon arc lamp light*
- JIS L 0844 *Test methods for colour fastness to washing and laundering*
- JIS L 0848 *Test method for colour fastness to perspiration*
- JIS L 0849 *Test method for colour fastness to rubbing*
- JIS L 1030-1 *Testing methods for quantitative analysis of fiber mixtures—Part 1 : Testing methods for fiber identification*
- JIS L 1030-2 *Testing methods for quantitative analysis of fibre mixtures of textiles—Part 2 : Testing methods for quantitative analysis of fibre mixtures*
- JIS L 1041 *Test methods for resin finished textiles*
- JIS L 1091 *Testing methods for flammability of textiles*
- JIS L 1096 *Testing methods for woven fabrics*
- JIS P 3801 *Filter paper (for chemical analysis)*
- JIS R 3503 *Glass apparatus for chemical analysis*
- JIS Z 8401 *Guide to the rounding of numbers*
- JIS Z 8802 *Methods for determination of pH of aqueous solutions*

3 Definitions For the purposes of this Standard, the definitions given in **JIS L 0105** and **JIS L 0208** and the following definitions apply:

- a) **wool felt** Sheep wool or the like changed to the form of sheet by milling.
- b) **lengthwise direction** Direction of length of wool felt.

c) **crosswise direction** Direction of width of wool felt.

4 Test items The items to be tested shall be as follows.

- a) Width
- b) Length
- c) Mass and apparent specific gravity per unit area
- d) Thickness
- e) Mixture ratio of fibres
- f) Moisture regain
- g) Tensile strength and elongation percentage
- h) Exfoliation strength
- i) Bursting strength
- j) Abrasion resistance
- k) Compressibility
- l) Elastic recovery percentage of elongation
- m) Shrinkage percentage
- n) Expansion coefficient of thickness
- o) Bending resistance
- p) Stiffness
- q) Percentage of materials soluble in dichloromethane
- r) Percentage of materials soluble in water
- s) pH of extract solution
- t) Oil retention
- u) Air permeability
- v) Flammability
- w) Colour fastness
- x) Free formaldehyde content

5 Condition for tests Clause 4 of JIS L 0105 applies.

6 Sampling and preparation of specimen and test piece 5.3 (3) of JIS L 0105 applies.

7 Procedure