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(JTETC)

Testing methods for sliding
frictional melting of woven and
knitted fabrics

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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 as the result of proposal for revision of Japanese Industrial Standard submitted by Japan Textile Evaluation Technology Council (JTETC) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14.

Consequently **JIS L 1056**: 1987 is replaced with this Standard.

Attention is drawn to the possibility that some parts of this Standard may conflict with a patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have technical properties. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have the said technical properties.

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In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

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Testing methods for sliding frictional melting of woven and knitted fabrics

1 Scope This Japanese Industrial Standard specifies the testing methods for evaluating the degree of frictional melting when woven and knitted fabrics mainly made of synthetic fibres collide with wooden floors in gymnasiums or the like.

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

JIS K 6718-1 *Plastics—Poly (methyl methacrylate) sheets—Types, dimensions and characteristics—Part 1: Cast sheets*

JIS K 8101 *Ethanol (99.5)*

JIS L 0105 *General principles of physical testing methods for textiles*

JIS L 0208 *Glossary of terms used in textile industry—Testing*

JIS L 0803 *Standard adjacent fabrics for staining of colour fastness test*

JIS R 6252 *Abrasive papers*

JIS Z 2101 *Methods of test for woods*

3 Terms and definitions For the purposes of this Standard, the definitions given in **JIS L 0208** and the following definition shall apply.

- a) **frictional melting** melting or damage formed when fabrics materials collide with wooden floors

4 Testing place The test shall be performed in accordance with **5.1** of **JIS L 0105**.

5 Sampling and preparation of test specimen and test piece The sampling and preparation of test specimen and test piece shall be performed in accordance with **6.3** or **6.4** of **JIS L 0105**.

6 Types of tests Tests shall be classified into the following three types, and a suitable method shall be selected from these.

- a) **Method A (Method by use of impact type frictional melting tester)** A method of evaluation based on the change in appearance occurring on the scratched surface of the test piece by a definite impact force.
- b) **Method B (Method by use of rotor type frictional melting tester)** A method of evaluation based on the time taken until the test piece is damaged mainly by frictional heat.
- c) **Method C (Method by use of disc type frictional melting tester)** A method of evaluating the degree of frictional melting of the test piece corresponding to the change in frictional sliding speed based on the number of revolutions of the disc.