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(SWTF/JSA)

**Test methods for colour fastness to
steam pleating**

ICS 59.080.01

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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 Suga Weathering Technology Foundation (SWTF)/Japanese Standards Association (JSA) 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 0878 : 1995** is replaced with this Standard.

This revision has been made based on **ISO 105-P02 : 2002 Textiles—Tests for colour fastness—Part P02 : Colour fastness to pleating : Steam pleating** for the purposes of making it easier to compare this Standard with International Standard; to prepare Japanese Industrial Standard conforming with International Standard; and to propose a draft of an International Standard which is based on Japanese Industrial 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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Contents

	Page
Introduction	1
1 Scope	1
2 Normative references	1
3 Summary	2
4 Classification of tests.....	2
5 Apparatus and materials	2
6 Preparation of composite specimen	4
7 Operation	4
8 Judgement.....	5
9 Record	5
Annex (informative) Comparison table between JIS and corresponding International Standard	6

Test methods for colour fastness to steam pleating

Introduction This Japanese Industrial Standard has been prepared based on the third edition of **ISO 105-P02** *Textiles—Tests for colour fastness—Part P02 : Colour fastness to pleating : Steam pleating* published in 2002 with some modification in technical content.

The portions given dotted underlines in this Standard are the matters in which the contents of the original International Standard have been modified. A list of modification with the explanation is given in annex (informative).

1 Scope This Standard specifies the test methods for colour fastness of dyed textile goods to steam pleating.

Remarks : The International Standard corresponding to this Standard is as follows.

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21**.

ISO 105-P02 : 2002 *Textiles—Tests for colour fastness—Part P02 : Colour fastness to pleating : Steam pleating* (MOD)

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 L 0801 *General principles of testing methods for colour fastness*

Remarks : **ISO 105-A01** : 1994 *Textiles—Tests for colour fastness—Part A01 : General principles of testing* is equivalent to the said standard.

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

Remarks : **ISO 105-F** : 1985 *Textiles—Tests for colour fastness—Part F : Standard adjacent fabrics* and **ISO 105-F10** : 1989 *Textiles—Tests for colour fastness—Part F10 : Specification for adjacent fabric : Multifibre* are equivalent to the said standard.

JIS L 0804 *Grey scale for assessing change in colour*

Remarks : **ISO 105-A02** : 1993 *Textiles—Tests for colour fastness—Part A02 : Grey scale for assessing change in colour* is equivalent to the said standard.

JIS L 0805 *Grey scale for assessing staining*

Remarks : **ISO 105-A03** : 1993 *Textiles—Tests for colour fastness—Part A03 : Grey scale for assessing staining* is equivalent to the said standard.

3 Summary In this test, a composite specimen is, in accordance with the specified way, steamed at high temperature and after dried, the colour fastness is judged by comparing the degree of change in colour of the specimen and the staining of adjacent fabric with the grey scale for assessing change in colour and the grey scale for assessing staining respectively or by obtaining the grade of change in colour and the grade of staining by using the instrument.

4 Classification of tests In this test, three classes of tests, differing in treatment temperature and time are included as shown in table 1, and the tests suitable to the purpose of test or the kind of fibre are chosen and carried out.

Table 1 Classification and conditions of steam pleating test

Class	Pressure kPa	Temperature °C	Time min
Method A (mild)	135 ± 2	108	5
Method B (intermediate)	170 ± 2	115	10
Method C (severe)	270 ± 2	130	20

5 Apparatus and materials For the apparatus and materials, the following shall be used.

- a) **High temperature steaming tester**, consisting of a specimen holder capable of holding a composite specimen, a rectangular metallic container capable of containing the specimen holder and a pressure steamer. An example is as shown in figure 1.

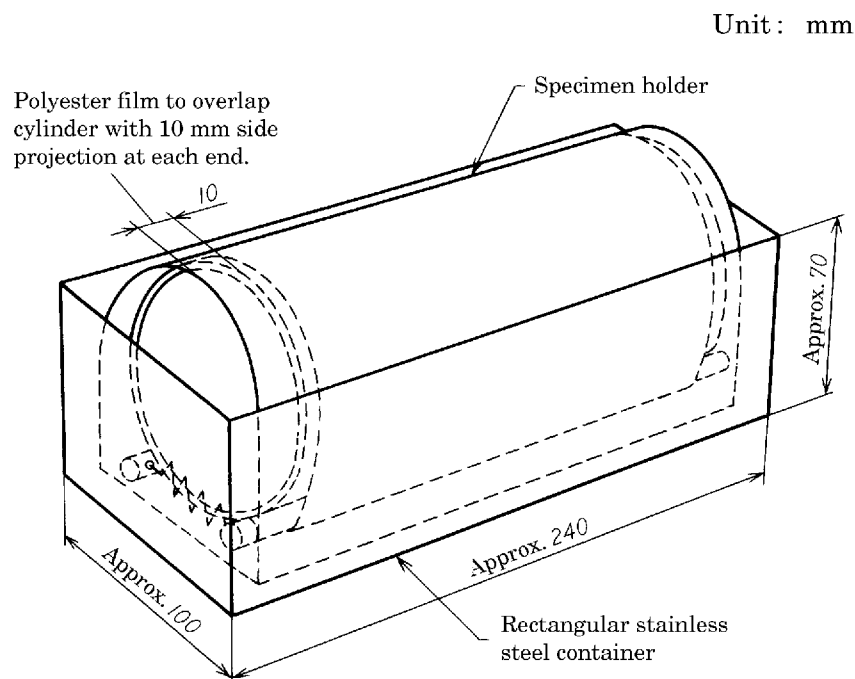


Figure 1 Rectangular stainless steel container containing specimen holder