

भारतीय मानक ब्यूरो
BUREAU OF INDIAN STANDARDS

Draft for comments only

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भारतीय मानक मसौदा
वस्त्रादि — कृत्रिम रेशा धागा — टेक्शर्ड धागों के क्रिम्प गुणधर्म की परीक्षण पद्धतियां

(Draft Indian Standard)

**TEXTILES — SYNTHETIC FILAMENT YARNS — TEST METHODS FOR CRIMP
PROPERTIES OF TEXTURED YARNS**

ICS 59.080.20

Physical Methods of Test Sectional Committee
TXD 01

Last date for receipt of comments
06 July 2024

NATIONAL FOREWORD

(Formal clauses will be added later)

This Indian Standard intended to be adopted is identical with ISO 5688 : 2024 'Textiles — Synthetic filament yarns — Test methods for crimp properties of textured yarns' issued by the International Organization for Standardization (ISO).

Certain conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words 'International Standard' appear referring to this standard, they should be read as 'Indian Standard'.
- b) Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In the standard intended to be adopted, reference appears to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards which are to be substituted in their respective places are listed below along with their degree of equivalence for the editions indicated:

| <i>International Standard</i> | <i>Corresponding Indian Standard</i> | <i>Degree of Equivalence</i> |
|---|---|--------------------------------------|
| ISO 139, Textiles — Standard atmospheres for conditioning and testing | IS 6359 : 2023 Method for conditioning of textiles | Technically Equivalent with ISO 139 |
| ISO 3534-1, Statistics — Vocabulary and symbols — Part 1: General statistical terms and terms used in probability | IS 7920 (Part 1) : 2012, Statistical — Vocabulary and symbols: Part 1 general statistical terms and terms used in probability (<i>third Revision</i>) | Indigenous |
| ISO 3696, Water for analytical laboratory use Specification and test methods | IS 1070 : 2023 Reagent Grade Water — Specification (<i>fourth Revision</i>) | Technically Equivalent with ISO 3696 |

The Committee has reviewed the provisions of the following International Standard referred in this intended to be adopted standard and has decided that it is acceptable for use in conjunction with this standard:

| <i>International Standard</i> | <i>Title</i> |
|-------------------------------|---|
| ISO 10132 | Textiles — Textured filament yarn — Definitions |

In reporting the result of a test or analysis made in accordance with this standard, if the final value, observed or calculated, is to be rounded off, it shall be done in accordance with IS 2 : 2022 ‘Rules for rounding off numerical values (second revision)’.

1 SCOPE

This document specifies a test method for crimp properties of synthetic textured filament yarns.

Two treatment methods for crimp development are provided:

- a) Method A: Hot air method, and
- b) Method B: Hot water method.

2 NORMATIVE REFERENCES

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

- i) ISO 139, Textiles — Standard atmospheres for conditioning and testing
- ii) ISO 3534-1, Statistics — Vocabulary and symbols — Part 1: General statistical terms and terms used in probability
- iii) ISO 3696, Water for analytical laboratory use Specification and test methods
- iv) ISO 10132, Textiles — Textured filament yarn — Definitions

3 TERMS AND DEFINITIONS

For the purposes of this document, the terms and definitions given in [ISO 10132](#) and the following apply.

3.1 Crimp Modulus

Ratio of difference between the straightened length (L_g) and the length (L_f) of the yarn under a low tension, to the straightened length (L_g), as to characterize the elongation behaviour of a textured yarn in the range of crimp elasticity.

NOTE — It is expressed as a percentage.

FORMAT FOR SENDING COMMENTS ON BIS DOCUMENTS

(Please use A4 size sheet of paper only and type within fields indicated. Comments on each clause/sub clause/table/fig etc. be started on a fresh box. Information in column 3 should include reasons for the comments and suggestions for modified working of the clauses when the existing text is found not acceptable. Adherence to this format facilitates Secretariat's work)

Please e-mail your comments to txd@bis.gov.in

NAME OF THE COMMENTATOR/ORGANIZATION:

DOCUMENT NO: TXD 01 (25579) WC

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| Item, clause Sub-clause no. commented upon (use separate box a fresh) | Comments | Specific Proposal (Draft) clause to be added/ amended | Remarks | Technical References and Justification on which (2), (3), (4) are based |
|---|-----------------|--|----------------|--|
| (1) | (2) | (3) | (4) | (5) |
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