

केन्द्रीय मुहर विभाग-2

संदर्भ -: केम्वी-2/16:17262

11 07 2023

विषय: IS 17262:2022 के amendment no. 3 के अनुपालन के दिशा निर्देश

यह उपरोक्त विषय के संदर्भ में है।

सक्षम अधिकारी द्वारा अनुमोदित दिशानिर्देश अनुपालन हेतु संलग्न है।

सभी क्षेत्रीय/शाखा कार्यालयों से अनुरोध है की दिशानिर्देशों का तत्काल प्रभाव से अनुपालन सुनिश्चित करें।

आदित्य दास
वैज्ञानिक D

प्रमुख (केम्वी 2)

सभी क्षेत्रीय/शाखाकार्यालय/प्रयोगशालाएँ/TXD/LRMD

CENTRAL MARKS DEPARTMENT-2

Our Ref: CMD-2/16:17262

11 07 2023

Subject: Guidelines for implementation of amendment no. 3 to IS 17262:2022

This has reference to the subject mentioned above.

The Competent Authority has approved the enclosed Guidelines for implementation.

All ROs/BOs are requested to ensure the implementation of the above Guidelines with immediate effect.

(Aditya Das)
Scientist D

Head (CMD-2)

All ROs/BOs/Labs/TXD/LRMD

CENTRAL MARKS DEPARTMENT-2

Our Ref: CMD-2/16: 17262

11 07 2023

Subject: Guidelines for implementation of amendment no. 3 to IS 17261:2022 (Textiles — Polyester Partially Oriented Yarn (POY) — Specification)

1. Amendment no. 3 to IS 17261:2022 has been published. The last date of implementation of the amendment is **12 Dec 2023**.
2. The significant changes in the standard through this amendment as listed in the Table are given for the purpose of general guidance.

Clause No.	Change
1.2	A clause has been added to specify that the standard does not apply to biodegradable POY yarns
3	Flat Yarn definition has been removed from Terms and Definition
Table 1	'Single to Fold' Notation for Multifilament yarn without twist has been modified
Table 2	Notation for Examples of identification of Mono or multifilament yarn (special characteristic) has been modified
Table 3	Values indicated for Tolerance on Declared Value for Nominal linear density, have been shifted down in the table for more clarity (typesetting change)
Table 3	Value of CV, Percent for Nominal linear density, denier has been relaxed from 1.5% max to 2.5% max
Table 4	Requirement for Finish oil pick-up, percent (as declared), with a tolerance of ± 30 percent on declared value has been modified from '0.2 to 1.3' to '0.1 to 1.5'
Table 4	Requirement for Ultraviolet resistance, 500 h Percent retained strength, Min (For UV resistant yarn only) has been modified from 70, minimum to 80, minimum. Method of test has been changed as well.
6.3.17	Requirement of "Wound in Waste" has been added
7.1	A note has been added in the packing clause stating that "Package of weight between 1 kg to 4 kg may also be allowed as per agreement between buyer and seller"
8.1	A note has been added in the marking clause to prescribe that: "The yarn manufacturer shall mark on the pallets/cartons whether the yarn is Disperse Dyeable/Conventional Dyeable (COD)/Stock Dyeable(STD)/Easy Dyeable (ED)/Cationic Dyeable or Easy Dyeable Cationic Dyeable (EDCD) for the guidance of the yarn/fabric manufacturers"
Annex A	Versions of referred test methods have been updated
Annex H	A method for determination of resistance of POY to UV light has been added in place of IS 13162 (Part 2)

3. Consequent upon the issuance of the amendment, the existing product manual has been revised which is being circulated separately.
4. The guidelines for implementation of the amendment are given below:

A. LICENSEES:

- i. There are mostly editorial changes, and some technical changes in the nature of relaxation in the standard through this amendment. However, there is one technical change, in the standard through this amendment i.e. increase in the minimum requirement and change in the test method for Ultraviolet resistance which is only applicable for UV resistant yarn.
- ii. All licensees shall be informed of this amendment. However, only those licensees which have UV resistant yarn in the scope of their licence, shall be required submit evidence of conformity to the modified requirements of for Ultraviolet resistance through In-house/Independent Test Reports. Verification of implementation of the amendment, wherever required, **shall be verified through a surveillance visit within 30 days of confirmation of implementation of the amendment by licensee.**
- iii. If the Licensee fails to complete all actions by **12 Dec 2023** it shall be dealt with as per the prevailing guidelines.

B. APPLICATIONS FOR GRANT OF LICENCE:

- i. Existing Applications where Sample has been submitted in the Laboratory/Test Report has been issued by the Laboratory may be processed as per the old Standard. However, if the Applicant is desirous of considering the Application as per the amended Standard, a declaration may be obtained from the Applicant to that effect and the Application may be processed accordingly. An undertaking shall from such Applicants also be obtained that if the sample fails while considering the provisions of the amended Standard, Licence will not be granted by BIS as per the old version.
- ii. Applications which are recorded henceforth may be processed as per the old Standard or the amended Standard. Processing of Applications as per the old Standard shall be permitted only up to **11 Dec 2023** and for such cases Applicant shall give a declaration that they will implement the amended Standard by **12 Dec 2023**.
- iii. Beyond **12 Dec 2023** no Licence shall be granted as per the old Standard.

C. CHANGE IN SCOPE OF LICENCE:

- i. For change in scope of licence, the relevant provisions as given above for Applicants shall apply.
 - ii. However, processing of such applications for change in scope of licence as per the old Standard shall be permitted only up to the date of implementation of the amendment or up to **12 Dec 2023** whichever is earlier.
6. The above guidelines come into force with immediate effect.

Aditya Das
Sc. D

Head (CMD-2)
DDG (Certification)

AMENDMENT NO. 3 APRIL 2023
TO
IS 17262 : 2022 TEXTILES — POLYESTER PARTIALLY ORIENTED YARN (POY)
— SPECIFICATION
(First Revision)

(Foreword, Para 4) — Substitute 'Annex J' for 'Annex H'.

(Page 1, clause 1) — Renumber the existing clause as **1.1** and insert the following new clause after the **1.1**:

'**1.2** This standard is not applicable to bio-degradable POY yarns.'

(Page 1, clause 3.6) — Delete and renumber the subsequent clauses.

[Page 4, Table 1, Sl No. (i) a, col (3)] — Substitute the following for existing:

'250 dtex f48 or 250/48'.

[Page 4, Table 2, Sl No. (i), col (3)] — Substitute the following for existing:

'50/14, 80/72, 126/34, 250/144, 400/68'

[Page 5, Table 3, Sl No. (i), col (4)] — Shift the present values a step below in front of the relevant values in col (3).

[Page 5, Table 3, Sl No. (i), col (5)] — Substitute '2.5' for '1.5'.

[Page 5, Table 4, Sl No. (iv), col (3)] — Substitute '0.1 to 1.5' for '0.2 to 1.3'.

[Page 5, Table 4, Sl No. (vi)] — Substitute the following for existing row:

vi)	Ultraviolet resistance, 144 h, Percent retained strength, <i>Min</i> (For UV resistant yarns only)	80	Annex H
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(Page 6, clause 6.3.16) — Insert the following new clause after the **6.3.16**:

'**6.3.17 Wound in Waste**

May be accepted if it can be corrected by stripping.'

(Page 8, clause 7.1) — Insert the following note under the clause:

'NOTE — Package of weight between 1 to 4 kg may also be allowed as per agreement between buyer and seller'.

(Page 8, clause 8.1) — Insert the following note under the clause:

'NOTE — The yarn manufacturer shall mark on the pallets/cartons whether the yarn is Disperse Dyeable [Conventional Dyeable (COD)/Stock Dyeable (STD)/Easy Dyeable (ED)], Cationic Dyeable (CD) or Easy Dyeable Cationic Dyeable (EDCD) for guidance of the multifold yarns or fabric manufacturers.'

Price Group 2

Amendment No. 3 to IS 17262 : 2022

(Page 9, Annex A) — Delete the following reference:

<i>IS No.</i>	<i>Title</i>
13162 (Part 2) : 1991	Geotextiles — Methods of test: Part 2 Determination of resistance to exposure of ultraviolet light and water (xenon arc type apparatus)

(Page 9, Annex A) — Substitute the following for the existing entries for IS 3456 : 1966, IS 6359 : 1971, IS 7703 (Part 5) : 1990, IS 16481 : 2016.

<i>IS No.</i>	<i>Title</i>
IS 3456 : 2022	Method for determination of water-soluble matter of textile materials (<i>first revision</i>)
IS 6359 : 2023	Method for conditioning of textiles (<i>first revision</i>)
IS 7703 (Part 5) : 1987	Methods of test for continuous filament polyester and polyamide flat yarn: Part 5 Unevenness percentage
IS 16481 : 2022	Textiles — Synthetic micro fibres for use in cement based matrix — Specification (<i>first revision</i>)

(Page 15, Annex G) — Insert the following Annex H after Annex G:

‘ANNEX H
[Table 4, *Sl No.* (vi)]

DETERMINATION OF RESISTANCE OF POY TO ULTRAVIOLET LIGHT

H-1 TEST SPECIMENS

The test specimens for tenacity shall be taken from the sample as specified in IS 7703 (Part 2).

H-2 TEST CONDITIONS

H-2.1 The test shall be carried out with fluorescent UV-B lamp (*see* IS 7903).

H-2.2 The duration of the test shall be 144 h (that is 6 days).

H-2.3 The test cycle shall be 8 h at 60 °C ± 3 °C with UV radiation alternating after 4 h at 50 °C ± 3°C with condensation.

H-2.4 Irradiation level throughout the test shall be maintained at 0.63 W/m² + 0.03 W/m².

H-3 TEST PROCEDURE

H-3.1 Determine the original average tenacity for at least 20 test specimens as per IS 7703 (Part 2) before exposure.

H-3.2 Expose the specimens alternately to ultraviolet light alone and to condensation in one respective cycle.

H-3.2.1 The type of fluorescent UV lamp, the timing of the UV exposure and the temperature of condensation shall be as specified in **H-2**.

H-3.3 Determine the average tenacity for at least 20 test specimens as per IS 7703 (Part 2) after UV exposure as given in **H- 3.2**.

H-3.4 Determine the percent retention of original tenacity as follows:

$$\text{Retention of original tenacity, percent} = \frac{b}{a} \times 100$$

where

a = Average tenacity before UV exposure as obtained in **H-3.1**, and

b = Average tenacity after UV exposure as obtained in **H-3.3**.

NOTES

1 The UV source is an array of fluorescent lamps (with lamp emission concentrated in the UV range).

2 Condensation is produced by exposing the test surface to a heated, saturated mixture of air and water vapour, while the reverse side of the test specimen is exposed to the cooling influence of ambient room air.'

(Page 17, Annex H, Heading) — Substitute 'Annex J' for 'Annex H'.

(TXD 31)