



भारतीय मानक ब्यूरो

(उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय, भारत सरकार)

BUREAU OF INDIAN STANDARDS

(Ministry of Consumer Affairs, Food & Public Distribution, Govt. of India)

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Review Document

Basic Details

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| 1. | Sectional Committee No. & Title: | TXD 35 - Technical Textiles for Agrotech Applications |
| 2. | IS No : | IS 16190 : 2014 |
| 3. | Title : | Agro textiles - High density polyethylene (HDPE) laminated woven lay flat tube for irrigation purpose - Specification |
| 4. | Date of Previous Review: | September, 2018 |

Review Analysis

5.1 Status of standard(s), if any from which assistance had been drawn in the formulation of this IS.

| S.No. | Standard (No.) | Standard (Title) | Whether the standard has since been revised | Major changes | Action proposed |
|-----------------------------|----------------|------------------|---|---------------|-----------------|
| No entry made in this table | | | | | |

5.2 Status of standard referred in the IS.

| S.No. | Referred standards (No.) | Referred standards (Title) | Since revised IS no. of the corresponding IS | Changes in the referred Standards since last review of IS | Changes in the referred standard which are affecting the standard under review | Action proposed |
|-------|--------------------------|---|--|---|--|--|
| 1 | IS 1964 : 2001 | Textiles Methods for determination of mass per unit length and mass per unit area of fabrics (second revision) | Same Version | NA | NA | NA |
| 2 | IS 1969 (Part 1) : 2009 | Textiles Tensile Properties of fabrics Determination of maximum force and elongation at maximum force: Part 1 Strip method (third revision) | IS 1969 (Part 1) : 2018 ISO 13934-1 : 2013 Textiles Tensile properties of fabrics Part 1 Determination of maximum force and elongation at maximum force using the strip method (fourth revision) | NA | This standard is superseded to IS 1969 (Part 1) : 2018 | Latest version of the standard i.e. IS 1969 (Part 1) : 2018 shall be referred. |
| 3 | IS 2454 : 1985 | Methods for determination of colour fastness of textile materials to artificial light (Xenon lamp) (first revision) | IS/ISO 105-B02 : 2014 Textiles Tests for colour fastness Part B02 Colour fastness to artificial light: Xenon arc fading lamp test | NA | This standard is superseded to IS/ISO 105-B02 : 2014 | Latest version of the standard i.e. IS/ISO 105-B02 : 2014 shall be referred. |
| 4 | IS 6192 : 1994 | Textiles Monoaxially oriented high density polyethylene tapes Specification (second revision) | IS 6192 : 2023 Textiles Monoaxially oriented high density polyethylene HDPE and polypropylene PP tapes Specification (third revision) | NA | This revision the requirement for ash content and its test method has been specified. | Latest version of the standard i.e. IS 6192 : 2023 shall be referred. |
| 5 | IS 6899 : 1997 | Textiles High density polyethylene (HDPE) woven fabrics Specification | IS 6899 : 2023 Textiles High density polyethylene HDPE/polypropylene PP woven fabrics Specification (third revision) | NA | In this revision, the major changes incorporated are as follows: a) The scope of the standard has been revised for general tape fabric used in the manufacturing of woven sacks, FIBCs, sea bulk container liners, woven geotextiles, geomembranes, pond liners and similar applications; b) Requirement for breaking strength of the fabric has been modified; c) Requirement for UV resistance test for HDPE/PP woven fabrics has been included; d) Method of test for UV resistance has been included; e) Requirement for ash content has been included; and f) Marking requirements have been modified to include the environment-friendly recycling logo on the fabric. | Latest version of the standard i.e. IS 6899 : 2023 shall be referred. |
| 6 | IS 6359 : 1971 | Method for conditioning of textiles | IS 6359 : 2023 Method for conditioning of textiles (first revision) | NA | The present revision has been made to incorporate the following changes: a) The time interval for moisture equilibrium for testing in an accelerated conditioning system has been specified; b) Principle for the rapid/accelerated conditioning has been specified; and c) The requirements for the standard alternative atmosphere have been specified | Latest version of the standard i.e. IS 6359 : 2023 shall be referred. |
| 7 | IS 7016 (Part 8) : 1975 | Methods of test for coated and treated fabrics: Part 8 Accelerated ageing | IS 7016 (Part 8) : 2023 ISO 1419 : 2019 Methods of Test for Coated and Treated Fabrics Part 8 Accelerated Ageing (first revision) | NA | This standard is superseded to IS 7016 (Part 8) : 2023 | Latest version of the standard i.e. IS 7016 (Part 8) : 2023 shall be referred. |
| 8 | IS 14293 : 1995 | Geotextiles Method of test for trapezoid tearing strength | Same Version | NA | NA | NA |
| 9 | IS 14714 : 1999 | Geotextiles Determination of abrasion resistance | Same Version | NA | NA | NA |

5.3 Any other standards available related to the subject & scope of the standard being reviewed (International/regional/other national/association/consortia, etc or of new or revision of existing Indian Standard).

| S.No. | Standard (No.) | Standard (Title) | Provisions that could be relevant while reviewing the IS | Action proposed |
|-----------------------------|----------------|------------------|--|-----------------|
| No entry made in this table | | | | |

5.4 Technical comments on the standard received, if any.

| S.No. | Source | Clause of IS | Comment | Action proposed |
|-----------------------------|--------|--------------|---------|-----------------|
| No entry made in this table | | | | |

5.5 Information available on relevant technical developments

| S.No. | Source | Development | Relevant clause of the IS under review that is likely to be impacted (Clause & IS No.) | Action proposed |
|-----------------------------|--------|-------------|--|-----------------|
| No entry made in this table | | | | |

5.6 Issues arising out of changes in any related IS or due to formulation of new Indian Standard.

| S.No. | Related IS (revised or new) | Related IS Title | Provision in the IS under review that would be impacted & the clause no. or addition of new clause/provision | Changes that may be necessary in the Standards under review | Action proposed |
|-----------------------------|-----------------------------|------------------|--|---|-----------------|
| No entry made in this table | | | | | |

5.7 Any consequential changes to be considered in other IS.

| S.No. | Related IS to get impacted | Related IS Title | Requirements to be impacted |
|-----------------------------|----------------------------|------------------|-----------------------------|
| No entry made in this table | | | |

Other Details

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| 6. | Any other observation: | |
| 7. | Upload Supporting Document(s) | |

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|---------------------------|---|
| 7.1 ARP Report | 71_21810_240805111653_ARP_Report.docx |
| 7.2 Draft Document | No Document Uploaded |

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| 8. | Recommendations - On the basis of the analysis of the info available as mentioned above consideration of sectional committee is solicited on the following aspects of the IS under review: | Based on the above observations, the committee may reaffirm the standard for a further period of 5 years. |
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