



Review Document

Basic Details

1.	Sectional Committee No. & Title:	TXD 35 - Technical Textiles for Agrotech Applications
2.	IS No :	IS 15351 : 2015
3.	Title :	Agro textiles ☐ Laminated high density polyethylene (HDPE) woven geomembrane for water proof lining ☐ Specification (second revision)
4.	Date of Previous Review:	December, 2019

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 2454 : 1985	Method 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Tests for colour fastness Part B02 Colour fastness to artificial light : Xenon arc fading lamp test	NA	This standard is superseded to IS/ISO 105-B02 : 2014	This standard is superseded to IS/ISO 105-B02 : 2014
2	IS 2530 : 1963	Methods of test for polyethylene moulding materials and polyethylene compounds	Same Version	NA	NA	NA
3	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	It has been revised again to incorporate the following changes: a) The requirement for ash content and its test method has been specified; b) All amendments have been incorporated; c) Marking requirements have been modified to include the environment friendly recycling logo on the tape package; and d) Sampling and criteria for conformity have been modified.	Latest version of the standard i.e. IS 6192 : 2023 shall be referred in the revision and accordingly other changes will be made wherever required
4	IS 6899 : 1997	Textiles High density polyethylene (HDPE) woven fabrics Specification (second revision)	IS 6899 : 2023 Textiles High density polyethylene (HDPE)/ polypropylene (PP) woven fabrics Specification (third revision)	NA	In this revision, the following changes incorporated are as follows: a) Requirement for breaking strength of the fabric has been modified; b) Requirement for UV resistance test for HDPE/PP woven fabrics has been included; c) Method of test for UV resistance has been included; and d) Requirement for ash content has been included.	Latest version of the standard i.e. IS 6899 : 2023 shall be referred in the revision and accordingly other changes will be made wherever required
5	IS 7016 (Part 1) : 1982	Methods of test for coated and treated fabrics: Determination of roll characteristics (first revision)	IS 7016 (Part 1/Sec 1) : 2022 ISO 2286-1 : 2016 Methods of Test for Rubber or Plastics Coated Fabrics: Part 1 Determination of Roll Characteristics: Section 1 Methods for determination of length, width and net mass (third revision)	NA	This standard is superseded to IS 7016 (Part 1/Sec 1) : 2022	Latest version of the standard i.e. IS 7016 (Part 1/Sec 1) : 2022 shall be referred in the revision and accordingly other changes will be made wherever required
6	IS 7016 (Part 3) : 1981	Methods of test for coated and treated fabrics: Determination of tear strength (first revision)	IS 7016 (Part 3/Sec 1) : 2022 ISO 4674-1 : 2016 Methods of Test for Rubber or Plastics Coated Fabrics Part 3 Determination of Tear Resistance Section 1 Constant Rate of Tear Methods (third revision)	NA	This standard is superseded to IS 7016 (Part 3/Sec 1) : 2022	Latest version of the standard i.e. IS 7016 (Part 3/Sec 1) : 2022 shall be referred in the revision and accordingly other changes will be made wherever required
7	IS 7016 (Part 6) : 1984	Methods of test for coated and treated fabrics: Determination of bursting strength (first revision)	IS 7016 (Part 6/Sec 1) : 2022 ISO 3303-1 : 2020 Methods of Test for Rubber or Plastics Coated Fabrics: Part 6 Determination of Bursting Strength: Section 1 Steel-Ball Method (third revision)	NA	This standard is superseded to IS 7016 (Part 6/Sec 1) : 2022	Latest version of the standard i.e. IS 7016 (Part 6/Sec 1) : 2022 shall be referred in the revision and accordingly other changes will be made wherever required
8	IS 10146 : 1982	Specification for polyethylene for its safe use in contact with foodstuffs, pharmaceuticals and drinking water	Same version	NA	NA	NA
9	IS 11652 : 2000	Textiles Woven sacks for packing cement High density polyethylene (HDPE)/ polypropylene (PP) Specification (second revision)	IS 11652 : 2017 Textiles High density polyethylene (HDPE)/ polypropylene (PP) woven sacks for packaging of 50 kg cement Specification (third revision)	NA	This standard has been revised again to incorporate the following major changes: a) Requirement for breaking strength of the fabric has been modified; b) Requirement for breaking strength of the bottom seam has been modified; c) Requirement for ash content and its test method has been included; d) Requirement for drop impact strength and its test method has been included; and e) Optional requirement for UV resistance test has been specified.	Latest version of the standard i.e. IS 11652 : 2017 shall be referred in the revision and accordingly other changes will be made wherever required
10	IS 13162 (Part 3) : 1992	Geotextiles Methods of test: Determination of thickness at specified pressures	IS 13162 (Part 3) : 2021 ISO 9863-1 : 2016 Geosynthetics Determination of thickness at specified pressures (Part 3) : Single layers	NA	This standard is superseded to IS 13162 (Part 3) : 2021	Latest version of the standard i.e. IS 13162 (Part 3) : 2021 shall be referred in the revision and accordingly other changes will be made wherever required
11	IS 13162 (Part 5) : 1992	Geotextiles Methods of test: Determination of tensile properties using a wide width strip	IS 16635 : 2017 ISO 10319 : 2015 Geosynthetics Wide Width tensile test	NA	This standard is superseded to IS 16635 : 2017	Latest version of the standard i.e. IS 16635 : 2017 shall be referred in the revision and accordingly other changes will be made wherever required
12	IS 15060 : 2001	Geotextiles Tensile test for joint/ seams by wide width method	IS 15060 : 2018 ISO 10321 : 2008 Geosynthetics Tensile test for joint seams by wide-width strip method (first revision)	NA	This standard is superseded to IS 15060 : 2018	Latest version of the standard i.e. IS 15060 : 2018 shall be referred in the revision and accordingly other changes will be made wherever required

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	
6.	Any other observation:
7.	Upload Supporting Document(s)
7.1 ARP Report	71_7434_240607020433_ARP_Report.docx
7.2 Draft Document	No Document Uploaded
8.	<p>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:</p> <div style="border: 1px solid black; padding: 5px; margin-left: 20px;"> <p>Based on the above observations, the committee may reaffirm the standard for a further period of 5 years.</p> </div>