

## BUREAU OF INDIAN STANDARDS

### Program of Work

#### TXD 13 : Textile Materials for Aeronautical and Related Products

**Scope:** To formulate Indian standards for terminology and specifications for textile materials for aeronautical and related products.

**Liaison:**

### Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10476:1983 Reviewed In : 2024	Specification for woven roving glass fabric for polyester - glass laminates for aerospace purposes	July, 2024	-	Indigenous
2	IS 11326:1985 Reviewed In : 2019 Reaffirmed but not taken up for revision	Specification for nylon fabrics for coating with natural or synthetic elastomers	July, 2019	-	Indigenous
3	IS 11367:1985 Reviewed In : 2024	Glossary of terms relating to textile materials for aerospace purposes	July, 2024	1	Indigenous
4	IS 11916:2001 Reviewed In : 2024	Textiles – Continuous filament glass yarn for aerospace and other purposes – Specification (first revision)	July, 2024	-	Indigenous
5	IS 1376:1998 Reviewed In : 2024	Textiles – Cotton sewing threads for aerospace purposes – Specification (third revision)	July, 2024	-	Indigenous
6	IS 1402:2024	Textiles – Braided Cotton Cord for Aerospace Purposes – Specification (Third Revision)		-	Indigenous
7	IS 14564:1998 Reviewed In : 2024	Textiles - Cotton tapes for personnel parachutes - Specification	July, 2024	-	Indigenous
8	IS 19208:2025	Textiles Nylon Tape For Aircraft Arrestor Barrier Specification		-	Indigenous
9	IS 2196:2024	Textiles - Linen (Flax) Sewing Thread for Aerospace Purposes - Specification (Third Revision)		-	Indigenous
10	IS 2197:2000 Reviewed In : 2024	Aerospace textiles – Braided (Plaited) linen (flax) lacing cord – Specification (second revision)	July, 2024	-	Indigenous
11	IS 3255:2024	Textiles – ½ Scoured or Dyed Cotton Tapes for Aerospace Purposes – ½ Specification (Second Revision)		-	Indigenous
12	IS 3449:2024	Textiles – Cotton Webbing for Parachutes – Specification (Third Revision)		-	Indigenous

13	IS 3846:1984 Reviewed In : 2024	Specification for rot-proofed cotton tapes for aerospace purposes (first revision)	July, 2024	2	Indigenous
14	IS 4227:2024	Textiles $\frac{1}{2}$ Braided Nylon Cords for Aerospace Purposes $\frac{1}{2}$ Specification third revision		-	Indigenous
15	IS 4228:2023	Textiles-Nylon tapes for aerospace purposes-Specification		-	Indigenous
16	IS 4229:2024	Textiles $\frac{1}{2}$ Nylon Sewing Threads for Aerospace Purposes $\frac{1}{2}$ Specification (Third revision)		-	Indigenous
17	IS 4719:1984 Reviewed In : 2019 Reaffirmed but not taken up for revision	Specification for wire-woven rayon fabric for aerospace purposes (second revision)	July, 2019	-	Indigenous
18	IS 4726:1984 Reviewed In : 2024	Specification for light weight nylon fabric for parachutes	July, 2024	5	Indigenous
19	IS 4726:2025	Textiles Light Weight Nylon Fabrics for Parachutes Specification (Second Revision)		-	Indigenous
20	IS 4727:2020 Reviewed In : 2025	Textiles – Nylon webbing for aeronautical purposes – Specification (first revision)	March, 2025	1	Indigenous
21	IS 514:2025	Textiles Mercerized Cotton Fabrics for Covering Aircrafts and gliders Specification ( Fourth Revision )		-	Indigenous
22	IS 514:1992 Reviewed In : 2024	Textiles – Mercerized cotton fabrics for covering aircrafts and gliders – Specification (third revision)	July, 2024	-	Indigenous
23	IS 5746 (Part 1):1987 Reviewed In : 2024	Specification for woven glass fibre fabrics for plastic laminates for aerospace purposes - Part 1 Loom-state fabrics (second revision)	July, 2024	-	Indigenous
24	IS 5746 (Part 2):1987 Reviewed In : 2024	Woven glass fibre fabrics for plastic laminates for aerospace purposes - Part 2 Desized fabrics (second revision)	July, 2024	-	Indigenous
25	IS 5746 (Part 3):1987 Reviewed In : 2024	Woven glass fibres fabric for plastic laminates for aerospace purposes - Part 3 Finished fabrics for use with polyester resin systems (second revision)	July, 2024	-	Indigenous
26	IS 6349:2024	Textiles - Tubular Nylon Tapes for Aerospace Applications - Specification (Second Revision)		-	Indigenous
27	IS 6674:2021	Textiles - Cotton webbing for use in packing aero-engines - Specification (first revision)	-	-	Indigenous
28	IS 6879:2021	Textiles - Fabric for target banner radar responsive - Specification (first revision)	-	-	Indigenous
29	IS 6900:2021	Textiles - Proofed nylon leno fabric - Specification (first revision)	-	-	Indigenous
30	IS 714:1992 Reviewed In : 2024	Textiles – Cotton reinforcing tapes for aerospace purposes – Specification (third revision)	July, 2024	-	Indigenous

31	IS 8947:2021	Textiles - Material nylon webbing for aircraft safety belts - Specification (first revision)	-	-	Indigenous
32	IS 9267:2021	Textiles - Tubular nylon webbing for aerospace purposes - Specification (first revision)		-	Indigenous

Standards under Development

Projects Approved		
SI. No.	Doc No.	Title
No Records Found		

Preliminary Draft Standards		
SI. No.	Doc No.	Title
No Records Found		

Drafts Standards in WC Stage		
SI. No.	Doc No.	Title
No Records Found		

Draft Standards Completed WC Stage		
SI. No.	Doc No.	Title
No Records Found		

Finalized Draft Indian Standard		
SI. No.	Doc No.	Title
No Records Found		

Finalized Draft Indian Standards under Print					
SI. No.	Doc No.	Title			
1	TXD 13 (26373) Revision of: IS 5746:1987	TEXTILES WOVEN GLASS FIBRES FABRICS FOR PLASTIC LAMINATES FOR AEROSPACE PURPOSES SPECIFICATION PART 2 DESIZED FABRICS			
2	TXD 13 (26376) Revision of: IS 5746:1987	TEXTILES WOVEN GLASS FIBRES FABRICS FOR PLASTIC LAMINATES FOR AEROSPACE PURPOSES SPECIFICATION PART 3 FINISHED FABRICS FOR USE WITH POLYESTER RESIN SYSTEMS			
3	TXD 13 (26488) Revision of: IS 5746:1987	TEXTILES WOVEN GLASS FIBRES FABRICS FOR PLASTIC LAMINATES FOR AEROSPACE PURPOSES SPECIFICATION PART 1 LOOM-STATE FABRICS			

Total Published Standards:29 Total Standards Under development:3					
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Aspect Wise Report

- Product : 29
- Code of Practices : 0
- Methods of Test : 0
- Terminology : 1
- Dimensions : 0
- System Standard : 0
- Safety Standard : 0
- Others : 0

Service Specification : 0  
 Process Specification : 0  
 Unclassified : 0

### Annexure-I :List of Indian Standards Withdrawn/Superseded

Sl. No.	IS No. & Year	Title
1	IS 1045:1966	Light cotton fabric for covering surfaces of air-craft
2	IS 2198:1971	Flax webbing for aeronautical purposes
3	IS 2651:1964	Cotton webbing dyed for aircraft safety belts and harnesses
4	IS 2965:1987 Reviewed In : 2019	Specification for breaking cord for cotton parachutes First Revision
5	IS 2970:1987 Reviewed In : 2019	Specification for cotton fabrics for supply dropping parachutes First Revision
6	IS 2971:1964	Cotton fabric for target sleeves
7	IS 3243:1965	Nylon fabric for man - dropping parachutes
8	IS 3244:1965 Reviewed In : 2019	Specification for cotton webbing statichute
9	IS 3254:1965	Silk Sewing Thread For Parachutes
10	IS 4437:1973	Braided Nylon Cords For Personnel Parachutes
11	IS 5010:1969	Nylon fabric for heavy supply-dropping parachutes
12	IS 5304:1969	Nylon fabric for sea-mine parachutes
13	IS 5716:1970	Cotton Tapes For Personnel Parachutes
14	IS 596:1962	Mercerized Cotton Fabric For Gliders revised
15	IS 598:1962	Mercerized cotton fabric Grade 2 for aircraft revised

### Annexure-II :List of Indian Product Standards

Sl. No.	IS No. & Year	Title
1	IS 10476:1983 Reviewed In : 2024	Specification for woven roving glass fabric for polyester - glass laminates for aerospace purposes
2	IS 11326:1985 Reviewed In : 2019 Reaffirmed but not taken up for revision	Specification for nylon fabrics for coating with natural or synthetic elastomers
3	IS 11916:2001 Reviewed In : 2024	Textiles Continuous filament glass yarn for aerospace and other purposes Specification first revision
4	IS 1376:1998 Reviewed In : 2024	Textiles Cotton sewing threads for aerospace purposes Specification third revision
5	IS 1402:2024	Textiles Braided Cotton Cord for Aerospace Purposes Specification Third Revision
6	IS 14564:1998 Reviewed In : 2024	Textiles - Cotton tapes for personnel parachutes - Specification
7	IS 19208:2025	Textiles Nylon Tape For Aircraft Arrestor Barrier Specification
8	IS 2196:2024	Textiles - Linen Flax Sewing Thread for Aerospace Purposes - Specification Third Revision

9	IS 2197:2000 Reviewed In : 2024	Aerospace textiles Braided Plaited linen flax lacing cord Specification second revision
10	IS 3255:2024	Textiles Scoured or Dyed Cotton Tapes for Aerospace Purposes Specification Second Revision
11	IS 3449:2024	Textiles Cotton Webbing for Parachutes Specification Third Revision
12	IS 3846:1984 Reviewed In : 2024	Specification for rot-proofed cotton tapes for aerospace purposes first revision
13	IS 4227:2024	Textiles Braided Nylon Cords for Aerospace Purposes Specification third revision
14	IS 4228:2023	Textiles-Nylon tapes for aerospace purposes-Specification
15	IS 4229:2024	Textiles Nylon Sewing Threads for Aerospace Purposes Specification Third revision
16	IS 4719:1984 Reviewed In : 2019 Reaffirmed but not taken up for revision	Specification for wire-woven rayon fabric for aerospace purposes second revision
17	IS 4726:2025	Textiles Light Weight Nylon Fabrics for Parachutes Specification Second Revision
18	IS 4727:2020 Reviewed In : 2025	Textiles Nylon webbing for aeronautical purposes Specification first revision
19	IS 514:2025	Textiles Mercerized Cotton Fabrics for Covering Aircrafts and gliders Specification Fourth Revision
20	IS 5746 (Part 1):1987 Reviewed In : 2024	Specification for woven glass fibre fabrics for plastic laminates for aerospace purposes - Part 1 Loom-state fabrics second revision
21	IS 5746 (Part 2):1987 Reviewed In : 2024	Woven glass fibre fabrics for plastic laminates for aerospace purposes - Part 2 Desized fabrics second revision
22	IS 5746 (Part 3):1987 Reviewed In : 2024	Woven glass fibres fabric for plastic laminates for aerospace purposes - Part 3 Finished fabrics for use with polyester resin systems second revision
23	IS 6349:2024	Textiles - Tubular Nylon Tapes for Aerospace Applications - Specification Second Revision
24	IS 6674:2021 ISO 12567-2: 2005	Textiles - Cotton webbing for use in packing aero-engines - Specification first revision
25	IS 6879:2021	Textiles - Fabric for target banner radar responsive - Specification first revision
26	IS 6900:2021 IEC TR 63227 : 2020	Textiles - Proofed nylon leno fabric - Specification first revision
27	IS 714:1992 Reviewed In : 2024	Textiles Cotton reinforcing tapes for aerospace purposes Specification third revision
28	IS 8947:2021 IEC TS 63019: 2019	Textiles - Material nylon webbing for aircraft safety belts - Specification first revision
29	IS 9267:2021	Textiles - Tubular nylon webbing for aerospace purposes - Specification first revision