

# 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 <span style="color: green;">Reviewed In : 2024</span>	Specification for woven roving glass fabric for polyester - glass laminates for aerospace purposes	July, 2024	-	Indigenous
2	IS 11326:1985 <span style="color: green;">Reviewed In : 2019</span> 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 <span style="color: green;">Reviewed In : 2024</span>	Glossary of terms relating to textile materials for aerospace purposes	July, 2024	1	Indigenous
4	IS 11916:2001 <span style="color: green;">Reviewed In : 2024</span>	Textiles – Continuous filament glass yarn for aerospace and other purposes – Specification (first revision)	July, 2024	-	Indigenous
5	IS 1376:1998 <span style="color: green;">Reviewed In : 2024</span>	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 <span style="color: green;">Reviewed In : 2024</span>	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 <span style="color: green;">Reviewed In : 2024</span>	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 i <sub>c</sub> ½ Braided Nylon Cords for Aerospace Purposes i <sub>c</sub> ½ Specification third revision		-	Indigenous
15	IS 4228:2023	Textiles-Nylon tapes for aerospace purposes-Specification		-	Indigenous
16	IS 4229:2024	Textiles i <sub>c</sub> ½ Nylon Sewing Threads for Aerospace Purposes i <sub>c</sub> ½ 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 4726:2025	Textiles Light Weight Nylon Fabrics for Parachutes Specification (Second Revision)		-	Indigenous
19	IS 4727:2020 Reviewed In : 2025	Textiles – Nylon webbing for aeronautical purposes – Specification (first revision)	March, 2025	1	Indigenous
20	IS 514:2025	Textiles Mercerized Cotton Fabrics for Covering Aircrafts and gliders Specification ( Fourth Revision )		-	Indigenous
21	IS 5746 (Part 2):2025	Textiles — Woven Glass Fibres Fabrics for Plastic Laminates for Aerospace Purposes — Specification Part 2 Desized Fabrics ( Third Revision )		-	Indigenous
22	IS 5746 (Part 3):2025	Textiles — Woven Glass Fibres Fabrics for Plastic Laminates for Aerospace Purposes — Specification Part 3 Finished Fabrics for Use with Polyester Resin Systems ( Third Revision )		-	Indigenous
23	IS 5746 (Part 1):2025	Textiles — Woven Glass Fibres Fabrics for Plastic Laminates for Aerospace Purposes — Specification Part 1 Loom-State Fabrics ( Third Revision )		-	Indigenous
24	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
25	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
26	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
27	IS 6349:2024	Textiles - Tubular Nylon Tapes for Aerospace Applications - Specification (Second Revision)		-	Indigenous
28	IS 6674:2021	Textiles - Cotton webbing for use in packing aero-engines -	-	-	Indigenous

		Specification (first revision)			
29	IS 6879:2021	Textiles - Fabric for target banner radar responsive - Specification (first revision)	-	-	Indigenous
30	IS 6900:2021	Textiles - Proofed nylon leno fabric - Specification (first revision)	-	-	Indigenous
31	IS 714:1992 Reviewed In : 2024	Textiles – Cotton reinforcing tapes for aerospace purposes – Specification (third revision)	July, 2024	-	Indigenous
32	IS 8947:2021	Textiles - Material nylon webbing for aircraft safety belts - Specification (first revision)	-	-	Indigenous
33	IS 9267:2021	Textiles - Tubular nylon webbing for aerospace purposes - Specification (first revision)		-	Indigenous

### Standards under Development

#### Projects Approved

SI. No.	Doc No.	Title
<i>No Records Found</i>		

#### Preliminary Draft Standards

SI. No.	Doc No.	Title
<i>No Records Found</i>		

#### Drafts Standards in WC Stage

SI. No.	Doc No.	Title
<i>No Records Found</i>		

#### Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
<i>No Records Found</i>		

#### Finalized Draft Indian Standard

SI. No.	Doc No.	Title
<i>No Records Found</i>		

#### Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
1	TXD 13 (15277)	Specification for light weight nylon fabric for parachutes First Revision Amendment - 4
2	TXD 13 (15279)	Specification for tape nylon tubular for aerospace applications First Revision Amendment - 3
3	TXD 13 (15284)	Textiles - Braided nylon cords for aerospace purposes - Specification Second Revision Amendment - 1
4	TXD 13 (15468)	Specification for tubular nylon webbing for aerospace purposes Amendment - 1
5	TXD 13 (15797)	Amendment No 1 to IS 15041 2001 Textiles Flat Woven Webbing Slings Made of Man-Made Fibres for General Services
6	TXD 13 (15800)	Amendment no 1 to IS 1402 1992 Textiles Braided Cotton Cord for Aerospace Purposes Specification Second Revision
7	TXD 13 (15833) Revision	Textiles Nylon Webbing for Aeronautical Purposes Specification First Revision

	of: IS 4727:2020	
8	TXD 13 (16915) Revision of: IS 6674:1972	Textiles - Cotton webbing for use in packing aero-engines - Specification first revision
9	TXD 13 (16916) Revision of: IS 6879:1973	Textiles - Fabric for target banner radar responsive - Specification first revision
10	TXD 13 (16917) Revision of: IS 6900:1973	Textiles - Proofed nylon leno fabric - Specification first revision
11	TXD 13 (16918) Revision of: IS 8947:1978	Textiles - Material nylon webbing for aircraft safety belts - Specification first revision
12	TXD 13 (16919) Revision of: IS 9267:1979	Textiles - Tubular nylon webbing for aerospace purposes - Specification first revision
13	TXD 13 (19356)	Textiles Nylon webbing for aeronautical purposes Specification first revision Amendment - 1
14	TXD 13 (19707) Revision of: IS 4228:1979	Textiles-Nylon tapes for aerospace purposes-Specification
15	TXD 13 (21136) Revision of: IS 1402:1992	TEXTILES -BRAIDED COTTON CORD FOR AEROSPACE PURPOSES -SPECIFICATION Third Revision
16	TXD 13 (21155) Revision of: IS 3255:1979	Textiles Scoured or Dyed Cotton Tapes for Aerospace Purposes Specification
17	TXD 13 (22121) Revision of: IS 4227:1998	Textiles Braided Nylon Cords for Aerospace Purposes Specification third revision
18	TXD 13 (22617) Revision of: IS 3449:1984	Textiles Cotton Webbing for Parachutes Specification
19	TXD 13 (22872) Revision of: IS 4229:1992	Textiles Nylon Sewing Threads for Aerospace Purposes Specification Third revision
20	TXD 13 (24731) Revision of: IS 6349:1981	Textiles Tubular Nylon Tapes for Aerospace Applications Specification Second Revision
21	TXD 13 (24777) Revision of: IS 2196:1985	Textiles Linen Flax Sewing Thread for Aerospace Purposes Specification Third Revision
22	TXD 13 (26348) Revision of: IS 4726:1984	Textiles Light Weight Nylon Fabrics for Parachutes Specification Second Revision
23	TXD 13 (26373) Revision of: IS 5746:1987	Textiles Woven Glass Fibres Fabrics for Plastic Laminates for Aerospace Purposes Specification Part 2 Desized Fabrics Third Revision
24	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 Third Revision
25	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 Third Revision
26	TXD 13 (26618)	Textiles Nylon Tape For Aircraft Arrestor Barrier Specification
27	TXD 13 (26628) Revision of: IS 514:1992	Textiles Mercerized Cotton Fabrics for Covering Aircrafts and gliders Specification Fourth Revision
28	TXD 13 (33228)	Textiles - Tubular nylon webbing for aerospace purposes - Specification first revision Amendment No 1
29	TXD 13 (33229)	Textiles - Material nylon webbing for aircraft safety belts - Specification first revision Amendment No 1
30	TXD 13 (33230)	Textiles Continuous filament glass yarn for aerospace and other purposes Specification second revision
31	TXD 13 (33233)	Textiles - Cotton webbing for use in packing aero-engines - Specification first revision Amendment No 1

**Total Published Standards:29 Total Standards Under development:31**

### 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

SI. 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

SI. 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
		Textiles - Linen Flax Sewing Thread for Aerospace Purposes - Specification Third Revision

8	IS 2196:2024	
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 3):2025	Textiles Woven Glass Fibres Fabrics for Plastic Laminates for Aerospace Purposes Specification Part 3 Finished Fabrics for Use with Polyester Resin Systems Third Revision
21	IS 5746 (Part 1):2025	Textiles Woven Glass Fibres Fabrics for Plastic Laminates for Aerospace Purposes Specification Part 1 Loom-State Fabrics Third Revision
22	IS 5746 (Part 2):2025	Textiles Woven Glass Fibres Fabrics for Plastic Laminates for Aerospace Purposes Specification Part 2 Desized Fabrics Third 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