

## 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 : 2019</span>	Specification for woven roving glass fabric for polyester - glass laminates for aerospace purposes	July, 2019	-	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 : 2019</span>	Glossary of terms relating to textile materials for aerospace purposes	July, 2019	1	Indigenous
4	IS 11916 : 2001 <span style="color: green;">Reviewed In : 2019</span>	Textiles – Continuous filament glass yarn for aerospace and other purposes – Specification (first revision)	July, 2019	-	Indigenous
5	IS 1376 : 1998 <span style="color: green;">Reviewed In : 2019</span>	Textiles – Cotton sewing threads for aerospace purposes – Specification (third revision)	July, 2019	-	Indigenous
6	IS 1402 : 1992 <span style="color: green;">Reviewed In : 2019</span>	Textiles – Braided cotton cord for aerospace purposes – Specification (second revision)	July, 2019	1	Indigenous
7	IS 14564 : 1998 <span style="color: green;">Reviewed In : 2019</span>	Textiles - Cotton tapes for personnel parachutes - Specification	July, 2019	-	Indigenous
8	IS 2196 : 1985 <span style="color: green;">Reviewed In : 2019</span>	Specification for linen (flax) sewing thread for aeronautical purposes (second revision)	July, 2019	1	Indigenous
9	IS 2197 : 2000 <span style="color: green;">Reviewed In : 2019</span>	Aerospace textiles – Braided (Plaited) linen (flax) lacing cord – Specification (second revision)	July, 2019	-	Indigenous
10	IS 3255 : 1979 <span style="color: green;">Reviewed In : 2019</span>	Specification for scoured or dyed cotton tapes for aerospace purposes (first revision)	July, 2019	2	Indigenous
11	IS 3255 : 2024	Textiles $i\frac{1}{2}$ Scoured or Dyed Cotton Tapes for Aerospace Purposes $i\frac{1}{2}$ Specification (Second Revision)		-	Indigenous
12	IS 3449 : 1984 <span style="color: green;">Reviewed In : 2019</span>	Specification for cotton webbing for parachutes (second revision)	July, 2019	1	Indigenous

13	IS 3846 : 1984 Reviewed In : 2019	Specification for rot-proofed cotton tapes for aerospace purposes (first revision)	July, 2019	2	Indigenous
14	IS 4227 : 1998 Reviewed In : 2019	Textiles – Braided nylon cords for aerospace purposes – Specification (second revision)	July, 2019	1	Indigenous
15	IS 4228 : 2023	Textiles-Nylon tapes for aerospace purposes-Specification		-	Indigenous
16	IS 4228 : 1979 Reviewed In : 2019	Specification for nylon tapes for aerospace purposes (first revision)	July, 2019	3	Indigenous
17	IS 4229 : 1992 Reviewed In : 2019	Textiles – Nylon sewing threads for aerospace purposes – Specification (second revision)	July, 2019	1	Indigenous
18	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
19	IS 4726 : 1984 Reviewed In : 2019	Specification for light weight nylon fabric for parachutes	July, 2019	5	Indigenous
20	IS 4727 : 2020	Textiles – Nylon webbing for aeronautical purposes – Specification (first revision)	-	1	Indigenous
21	IS 514 : 1992 Reviewed In : 2019	Textiles – Mercerized cotton fabrics for covering aircrafts and gliders – Specification (third revision)	July, 2019	-	Indigenous
22	IS 5746 (Part 1) : 1987 Reviewed In : 2019	Specification for woven glass fibre fabrics for plastic laminates for aerospace purposes - Part 1 Loom-state fabrics (second revision)	July, 2019	-	Indigenous
23	IS 5746 (Part 2) : 1987 Reviewed In : 2019	Woven glass fibre fabrics for plastic laminates for aerospace purposes - Part 2 Desized fabrics (second revision)	July, 2019	-	Indigenous
24	IS 5746 (Part 3) : 1987 Reviewed In : 2019	Woven glass fibres fabric for plastic laminates for aerospace purposes - Part 3 Finished fabrics for use with polyester resin systems (second revision)	July, 2019	-	Indigenous
25	IS 6349 : 1981 Reviewed In : 2019	Specification for tape, nylon, tubular for aerospace applications (first revision)	July, 2019	3	Indigenous
26	IS 6674 : 2021	Textiles - Cotton webbing for use in packing aero-engines - Specification (first revision)	-	-	Indigenous
27	IS 6879 : 2021	Textiles - Fabric for target banner radar responsive - Specification (first revision)	-	-	Indigenous
28	IS 6900 : 2021	Textiles - Proofed nylon leno fabric - Specification (first revision)	-	-	Indigenous
29	IS 714 : 1992 Reviewed In : 2019	Textiles – Cotton reinforcing tapes for aerospace purposes – Specification (third revision)	July, 2019	-	Indigenous
30	IS 8947 : 2021	Textiles - Material nylon webbing for aircraft safety belts - Specification (first revision)	-	-	Indigenous
31	IS 9267 : 2021	Textiles - Tubular nylon webbing		-	Indigenous

		for aerospace purposes - Specification (first revision)		
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### 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
1	TXD 13 (22617)	Textiles Cotton Webbing For Parachutes Specification
2	TXD 13 (24731)	TEXTILES - TUBULAR NYLON TAPES FOR AEROSPACE APPLICATIONS - SPECIFICATION second revision
3	TXD 13 (24777)	TEXTILES LINEN FLAX SEWING THREAD FOR AEROSPACE PURPOSES SPECIFICATIONThird Revision

#### 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 (21136) Revision of: IS 1402:1992	TEXTILES -BRAIDED COTTON CORD FOR AEROSPACE PURPOSES -SPECIFICATION Third Revision
2	TXD 13 (22121) Revision of: IS 4227:1998	Textiles Braided Nylon Cords for Aerospace Purposes Specification third revision
3	TXD 13 (22872) Revision of: IS 4229:1992	Textiles Nylon Sewing Threads for Aerospace Purposes Specification Third revision

**Total Published Standards:29 Total Standards Under development:6**

### Aspect Wise Report

Product : 28  
Code of Practices : 0  
Methods of Test : 0  
Terminology : 1  
Dimensions : 0  
System Standard : 0  
Safety Standard : 0  
Others : 0  
Service Specification : 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 : 2019	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 : 2019	Textiles Continuous filament glass yarn for aerospace and other purposes Specification first revision
4	IS 1376 : 1998 Reviewed In : 2019	Textiles Cotton sewing threads for aerospace purposes Specification third revision
5	IS 1402 : 1992 Reviewed In : 2019	Textiles Braided cotton cord for aerospace purposes Specification second revision
6	IS 14564 : 1998 Reviewed In : 2019	Textiles - Cotton tapes for personnel parachutes - Specification
7	IS 2196 : 1985 Reviewed In : 2019	Specification for linen flax sewing thread for aeronautical purposes second revision
8	IS 2197 : 2000 Reviewed In : 2019	Aerospace textiles Braided Plaited linen flax lacing cord Specification second revision
		Textiles Scoured or Dyed Cotton Tapes for Aerospace Purposes Specification Second Revision

9	IS 3255 : 2024	
10	IS 3449 : 1984 Reviewed In : 2019	Specification for cotton webbing for parachutes second revision
11	IS 3846 : 1984 Reviewed In : 2019	Specification for rot-proofed cotton tapes for aerospace purposes first revision
12	IS 4227 : 1998 Reviewed In : 2019	Textiles Braided nylon cords for aerospace purposes Specification second revision
13	IS 4228 : 2023	Textiles-Nylon tapes for aerospace purposes-Specification
14	IS 4229 : 1992 Reviewed In : 2019	Textiles Nylon sewing threads for aerospace purposes Specification second revision
15	IS 4719 : 1984 Reviewed In : 2019 Reaffirmed but not taken up for revision	Specification for wire-woven rayon fabric for aerospace purposes second revision
16	IS 4726 : 1984 Reviewed In : 2019	Specification for light weight nylon fabric for parachutes
17	IS 4727 : 2020	Textiles Nylon webbing for aeronautical purposes Specification first revision
18	IS 514 : 1992 Reviewed In : 2019	Textiles Mercerized cotton fabrics for covering aircrafts and gliders Specification third revision
19	IS 5746 (Part 1) : 1987 Reviewed In : 2019	Specification for woven glass fibre fabrics for plastic laminates for aerospace purposes - Part 1 Loom-state fabrics second revision
20	IS 5746 (Part 2) : 1987 Reviewed In : 2019	Woven glass fibre fabrics for plastic laminates for aerospace purposes - Part 2 Desized fabrics second revision
21	IS 5746 (Part 3) : 1987 Reviewed In : 2019	Woven glass fibres fabric for plastic laminates for aerospace purposes - Part 3 Finished fabrics for use with polyester resin systems second revision
22	IS 6349 : 1981 Reviewed In : 2019	Specification for tape nylon tubular for aerospace applications first revision
23	IS 6674 : 2021 ISO 12567-2: 2005	Textiles - Cotton webbing for use in packing aero-engines - Specification first revision
24	IS 6879 : 2021	Textiles - Fabric for target banner radar responsive - Specification first revision
25	IS 6900 : 2021 IEC TR 63227 : 2020	Textiles - Proofed nylon leno fabric - Specification first revision
26	IS 714 : 1992 Reviewed In : 2019	Textiles Cotton reinforcing tapes for aerospace purposes Specification third revision
27	IS 8947 : 2021 IEC TS 63019: 2019	Textiles - Material nylon webbing for aircraft safety belts - Specification first revision
28	IS 9267 : 2021	Textiles - Tubular nylon webbing for aerospace purposes - Specification first revision