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:

		Publi	shed Standards		
S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10476 : 1983	Specification for woven roving	July, 2024	-	Indigenous
	Reviewed In: 2024	glass fabric for polyester - glass			
		laminates for aerospace purposes			
2	IS 11326 : 1985	Specification for nylon fabrics for	July, 2019	-	Indigenous
	Reviewed In: 2019	coating with natural or synthetic			
	Reaffirmed but not	elastomers			
	taken up for revision				
3	IS 11367 : 1985	Glossary of terms relating to textile	July, 2024	1	Indigenous
	Reviewed In: 2024	materials for aerospace purposes			
4	IS 11916 : 2001	Textiles – Continuous filament	July, 2024	-	Indigenous
	Reviewed In: 2024	glass yarn for aerospace and other			
		purposes – Specification (first			
		revision)			
5	IS 1376 : 1998	Textiles – Cotton sewing threads	July, 2024	-	Indigenous
	Reviewed In: 2024	for aerospace purposes –			
	IC 1402 2024	Specification (third revision)			т 1'
6	IS 1402 : 2024	Textiles â€" Braided Cotton Cord		-	Indigenous
		for Aerospace Purposes â€" Specification (Third Revision)			
7	IS 1402 : 1992	Textiles – Braided cotton cord for	July, 2024	1	Indigenous
_ ′	Reviewed In : 2024	aerospace purposes – Specification	July, 2024	1	margenous
	Reviewed III . 2024	(second revision)			
8	IS 14564 : 1998	Textiles - Cotton tapes for	July, 2024	_	Indigenous
	Reviewed In: 2024	personnel parachutes -	vary, === :		mangemous
		Specification			
9	IS 2196 : 1985	Specification for linen (flax)	July, 2024	1	Indigenous
	Reviewed In: 2024	sewing thread for aeronautical	•		Č
		purposes (second revision)			
10	IS 2197 : 2000	Aerospace textiles – Braided	July, 2024	-	Indigenous
	Reviewed In: 2024	(Plaited) linen (flax) lacing cord –			
		Specification (second revision)			
11	IS 3255 : 2024	Textiles � Scoured or Dyed		-	Indigenous
		Cotton Tapes for Aerospace			
		Purposes � Specification			
	70.0110.105	(Second Revision)		<u> </u>	
12	IS 3449 : 1984	Specification for cotton webbing	July, 2024	1	Indigenous
	Reviewed In: 2024	for parachutes (second revision)			

I 12	I 10 2440 2024	I was a concess with the latest		1	Υ 1'
13	IS 3449 : 2024	Textiles â€" Cotton Webbing for		-	Indigenous
		Parachutes â€" Specification			
<u> </u>		(Third Revision)			
14	IS 3846 : 1984	Specification for rot-proofed	July, 2024	2	Indigenous
	Reviewed In: 2024	cotton tapes for aerospace purposes			
		(first revision)			
15	IS 4227 : 1998	Textiles – Braided nylon cords for	July, 2024	1	Indigenous
	Reviewed In: 2024	aerospace purposes – Specification			
		(second revision)			
16	IS 4227 : 2024	Textiles � Braided Nylon Cords		-	Indigenous
		for Aerospace Purposes �			
		Specification third revision			
17	IS 4228 : 2023	Textiles-Nylon tapes for aerospace		-	Indigenous
		purposes-Specification			
18	IS 4229 : 1992	Textiles - Nylon sewing threads for	July, 2024	1	Indigenous
	Reviewed In: 2024	aerospace purposes – Specification	•		
		(second revision)			
19	IS 4229 : 2024	Textiles � Nylon Sewing Threads		-	Indigenous
		for Aerospace Purposes $\ddot{i}_{\zeta}^{1/2}$			5
		Specification (Third revision)			
20	IS 4719 : 1984	Specification for wire-woven rayon	July, 2019	_	Indigenous
- "	Reviewed In: 2019	fabric for aerospace purposes	- 32, -012		
	Reaffirmed but not	(second revision)			
	taken up for revision				
	taken up for revision				
21	IS 4726 : 1984	Specification for light weight nylon	July, 2024	5	Indigenous
21	Reviewed In : 2024	fabric for parachutes	July, 2027		marganous
22	IS 4727 : 2020	Textiles – Nylon webbing for		1	Indigenous
22	13 4727 . 2020	aeronautical purposes –	-	1	margenous
23	IS 514 : 1992	Specification (first revision) Textiles – Mercerized cotton	July, 2024		Indigenous
23	Reviewed In : 2024		July, 2024	_	margenous
	Keviewed III . 2024	fabrics for covering aircrafts and			
		gliders – Specification (third			
24	IC 5746 (Dont 1)	revision) Specification for woven glass fibre	Il 2024		To di con occo
24	, , , , , , , , , , , , , , , , , , , ,	1	July, 2024	-	Indigenous
	1987	fabrics for plastic laminates for			
	Reviewed In: 2024	aerospace purposes - Part 1 Loom-			
		state fabrics (second revision)			- "
25	IS 5746 (Part 2):	Woven glass fibre fabrics for	July, 2024	-	Indigenous
	1987	plastic laminates for aerospace			
	Reviewed In: 2024	purposes - Part 2 Desized fabrics			
		(second revision)			
26	IS 5746 (Part 3):	Woven glass fibres fabric for	July, 2024	-	Indigenous
	1987	plastic laminates for aerospace			
	Reviewed In: 2024	purposes - Part 3 Finished fabrics			
		for use with polyester resin systems			
		(second revision)			
27	IS 6349 : 2024	Textiles - Tubular Nylon Tapes for		-	Indigenous
		Aerospace Applications -			
		Specification (Second Revision)			
28	IS 6349 : 1981	Specification for tape, nylon,	July, 2024	3	Indigenous
	Reviewed In: 2024	tubular for aerospace applications	-		
		(first revision)			
29	IS 6674 : 2021	Textiles - Cotton webbing for use	-	-	Indigenous
		in packing aero-engines -			
		Specification (first revision)			
30	IS 6879 : 2021	Textiles - Fabric for target banner	-	_	Indigenous
	15 5577 . 2021	radar responsive - Specification			111015011040
		(first revision)			

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

Standards under Development

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

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

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

	Draft Standards Completed WC Stage				
SI. No.	Doc No.	Title			
1	TXD 13 (26348)	Textiles Light Weight Nylon Fabrics for Parachutes Specification			
2	TXD 13 (26373)	TEXTILES WOVEN GLASS FIBRES FABRICS FOR PLASTIC LAMINATES FOR			
		AEROSPACE PURPOSES SPECIFICATION PART 2 DESIZED FABRICS			
3	TXD 13 (26376)	TEXTILES WOVEN GLASS FIBRES FABRICS FOR PLASTIC LAMINATES FOR			
		AEROSPACE PURPOSES SPECIFICATION PART 3 FINISHED FABRICS FOR USE WITH			
		POLYESTER RESIN SYSTEMS			
4	TXD 13 (26488)	TEXTILES WOVEN GLASS FIBRES FABRICS FOR PLASTIC LAMINATES FOR			
		AEROSPACE PURPOSES SPECIFICATION PART 1 LOOM-STATE FABRICS			
5	TXD 13 (26618)	Textiles Nylon Tape For Aircraft Arrester Barrier Specification			

		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 (24777) Revision	Textiles Linen Flax Sewing Thread for Aerospace Purposes Specification Third Revision	
	of: IS 2196:1985		

Total Published Standards:29 Total Standards Under development:7

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 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	Specification for woven roving glass fabric for polyester - glass laminates for aerospace purposes
	Reviewed In: 2024	
2	IS 11326 : 1985	Specification for nylon fabrics for coating with natural or synthetic elastomers
	Reviewed In: 2019	
	Reaffirmed but not taken up	
	for revision	
3	IS 11916 : 2001	Textiles Continuous filament glass yarn for aerospace and other purposes Specification first
	Reviewed In: 2024	revision

	T 1076 1000	
4	IS 1376 : 1998	Textiles Cotton sewing threads for aerospace purposes Specification third revision
	Reviewed In: 2024	
5	IS 1402 : 2024	Textiles Braided Cotton Cord for Aerospace Purposes Specification Third Revision
6	IS 14564 : 1998	Textiles - Cotton tapes for personnel parachutes - Specification
	Reviewed In: 2024	
7	IS 2196 : 1985	Specification for linen flax sewing thread for aeronautical purposes second revision
	Reviewed In: 2024	
8	IS 2197 : 2000	Aerospace textiles Braided Plaited linen flax lacing cord Specification second revision
	Reviewed In: 2024	
9	IS 3255 : 2024	Textiles Scoured or Dyed Cotton Tapes for Aerospace Purposes Specification Second Revision
10	IS 3449 : 2024	Textiles Cotton Webbing for Parachutes Specification Third Revision
11	IS 3846 : 1984 Reviewed In : 2024	Specification for rot-proofed cotton tapes for aerospace purposes first revision
12	IS 4227 : 2024	Textiles Braided Nylon Cords for Aerospace Purposes Specification third revision
13	IS 4228 : 2023	Textiles-Nylon tapes for aerospace purposes-Specification
14	IS 4229 : 2024	Textiles Nylon Sewing Threads for Aerospace Purposes Specification Third revision
1.7	YG 4510 1004	
15	IS 4719 : 1984	Specification for wire-woven rayon fabric for aerospace purposes second revision
	Reviewed In: 2019	
	Reaffirmed but not taken up	
	for revision	
16	IS 4726 : 1984	Specification for light weight nylon fabric for parachutes
	Reviewed In: 2024	
17	IS 4727 : 2020	Textiles Nylon webbing for aeronautical purposes Specification first revision
18	IS 514 : 1992	Textiles Mercerized cotton fabrics for covering aircrafts and gliders Specification third revision
10	Reviewed In: 2024	Textiles increased containing the covering uncounts and graces operation and revision
19	IS 5746 (Part 1): 1987	Specification for woven glass fibre fabrics for plastic laminates for aerospace purposes - Part 1
	Reviewed In: 2024	Loom-state fabrics second revision
20	IS 5746 (Part 2): 1987	Woven glass fibre fabrics for plastic laminates for aerospace purposes - Part 2 Desized fabrics
	Reviewed In: 2024	second revision
21	IS 5746 (Part 3) : 1987	Woven glass fibres fabric for plastic laminates for aerospace purposes - Part 3 Finished fabrics for
	Reviewed In: 2024	use with polyester resin systems second revision
22	IS 6349 : 2024	Textiles - Tubular Nylon Tapes for Aerospace Applications - Specification Second Revision
23	IS 6674 : 2021	Textiles - Cotton webbing for use in packing aero-engines - Specification first revision
	ISO 12567-2: 2005	
24	IS 6879 : 2021	Textiles - Fabric for target banner radar responsive - Specification first revision
25	IS 6900 : 2021	Textiles - Proofed nylon leno fabric - Specification first revision
	IEC TR 63227 : 2020	
26	IS 714 : 1992	Textiles Cotton reinforcing tapes for aerospace purposes Specification third revision
•	Reviewed In: 2024	
27	IS 8947 : 2021	Textiles - Material nylon webbing for aircraft safety belts - Specification first revision
	IEC TS 63019: 2019	
28	IS 9267 : 2021	Textiles - Tubular nylon webbing for aerospace purposes - Specification first revision
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