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	Specification for woven roving	July, 2019	-	Indigenous		
	Reviewed In: 2019	glass fabric for polyester - glass					
	XC 11226 1005	laminates for aerospace purposes	V 1 2010		Y 1'		
2	IS 11326 : 1985	Specification for nylon fabrics for	July, 2019	-	Indigenous		
	Reviewed In: 2019 Reaffirmed but not	coating with natural or synthetic elastomers					
	taken up for revision						
	taken up for fevision						
3	IS 11367 : 1985	Glossary of terms relating to textile	July, 2019	1	Indigenous		
	Reviewed In: 2019	materials for aerospace purposes					
4	IS 11916 : 2001	Textiles – Continuous filament	July, 2019	-	Indigenous		
	Reviewed In: 2019	glass yarn for aerospace and other					
		purposes – Specification (first					
5	IS 1376 : 1998	revision) Textiles – Cotton sewing threads	July, 2019		To diagnoss		
3	Reviewed In : 2019	for aerospace purposes –	July, 2019	-	Indigenous		
	Reviewed III . 2019	Specification (third revision)					
6	IS 1402 : 1992	Textiles – Braided cotton cord for	July, 2019	1	Indigenous		
		aerospace purposes – Specification	oury, 2012		mangemous		
		(second revision)					
7	IS 14564 : 1998	Textiles - Cotton tapes for	July, 2019	-	Indigenous		
	Reviewed In: 2019	personnel parachutes -					
		Specification					
8	IS 2196 : 1985	Specification for linen (flax)	July, 2019	1	Indigenous		
	Reviewed In: 2019	sewing thread for aeronautical					
	YG 2105 2000	purposes (second revision)	X 1 2010		T 11		
9	IS 2197 : 2000	Aerospace textiles – Braided	July, 2019	-	Indigenous		
	Reviewed In: 2019	(Plaited) linen (flax) lacing cord –					
10	IS 3255 : 1979	Specification (second revision) Specification for scoured or dyed	July, 2019	2	Indigenous		
10		cotton tapes for aerospace purposes	July, 2019		margenous		
	110.10 wod in . 2017	(first revision)					
11	IS 3255 : 2024	Textiles � Scoured or Dyed		-	Indigenous		
		Cotton Tapes for Aerospace					
		Purposes � Specification					
		(Second Revision)					
12	IS 3449 : 1984	Specification for cotton webbing	July, 2019	1	Indigenous		
	Reviewed In: 2019	for parachutes (second revision)					

13	IS 3846 : 1984	Specification for rot-proofed	July, 2019	2	Indigenous
		cotton tapes for aerospace purposes	July, 2017		margenous
		(first revision)			
14	IS 4227 : 1998	Textiles – Braided nylon cords for	July, 2019	1	Indigenous
	Reviewed In: 2019	aerospace purposes – Specification			_
		(second revision)			
15	IS 4228 : 2023	Textiles-Nylon tapes for aerospace		-	Indigenous
		purposes-Specification			
16	IS 4228 : 1979	Specification for nylon tapes for	July, 2019	3	Indigenous
	Reviewed In: 2019	aerospace purposes (first revision)			
17	IS 4229 : 1992	Textiles – Nylon sewing threads for	July, 2019	1	Indigenous
	Reviewed In: 2019	aerospace purposes – Specification			
	70 /=/0 /00/	(second revision)			
18	IS 4719 : 1984	Specification for wire-woven rayon	July, 2019	-	Indigenous
	Reviewed In: 2019	fabric for aerospace purposes			
	Reaffirmed but not	(second revision)			
	taken up for revision				
19	IS 4726 : 1984	Specification for light weight nylon	July, 2019	5	Indigenous
19	Reviewed In : 2019	fabric for parachutes	July, 2019		margenous
20	IS 4727 : 2020	Textiles – Nylon webbing for		1	Indigenous
~	15 1/2/ . 2020	aeronautical purposes –		1	margenous
		Specification (first revision)			
21	IS 514 : 1992	Textiles – Mercerized cotton	July, 2019	-	Indigenous
	Reviewed In: 2019	fabrics for covering aircrafts and	varj, 2 012		margenous
		gliders – Specification (third			
		revision)			
22	IS 5746 (Part 1):	Specification for woven glass fibre	July, 2019	-	Indigenous
	1987	fabrics for plastic laminates for	•		-
	Reviewed In: 2019	aerospace purposes - Part 1 Loom-			
		state fabrics (second revision)			
23	IS 5746 (Part 2):	Woven glass fibre fabrics for	July, 2019	-	Indigenous
	1987	plastic laminates for aerospace			
	Reviewed In: 2019	purposes - Part 2 Desized fabrics			
		(second revision)			
24	IS 5746 (Part 3):	Woven glass fibres fabric for	July, 2019	-	Indigenous
	1987	plastic laminates for aerospace			
	Reviewed In: 2019	purposes - Part 3 Finished fabrics			
		for use with polyester resin systems			
25	IS 6349 : 1981	(second revision)	July, 2019	3	Indianova
23	Reviewed In : 2019	Specification for tape, nylon, tubular for aerospace applications	July, 2019)	Indigenous
	Kevieweu III : 2019	(first revision)			
26	IS 6674 : 2021	Textiles - Cotton webbing for use		_	Indigenous
20	15 00/7 . 2021	in packing aero-engines -	-	1	murgenous
		Specification (first revision)			
27	IS 6879 : 2021	Textiles - Fabric for target banner	_	-	Indigenous
-		radar responsive - Specification			
		(first revision)			
28	IS 6900 : 2021	Textiles - Proofed nylon leno	-	-	Indigenous
		fabric - Specification (first			
L		revision)			
29	IS 714 : 1992	Textiles – Cotton reinforcing tapes	July, 2019	-	Indigenous
	Reviewed In: 2019	for aerospace purposes –	-		-
		Specification (third revision)			
30	IS 8947 : 2021	Textiles - Material nylon webbing	-	-	Indigenous
		for aircraft safety belts -			
		Specification (first revision)			
31	IS 9267 : 2021	Textiles - Tubular nylon webbing		-	Indigenous
•	1	ı		1	1

for aerospace purposes -		
Specification (first revision)		

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.	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			
	No Records Found				

	Finalized Draft Indian Standards under Print				
SI. No.	Doc No.	Title			
1	TXD 13 (21136) Revision	TEXTILES -BRAIDED COTTON CORD FOR AEROSPACE PURPOSES -SPECIFICATION			
	of: IS 1402:1992	Third Revision			
2	TXD 13 (22121) Revision	Textiles Braided Nylon Cords for Aerospace Purposes Specification third revision			
	of: IS 4227:1998				
3	TXD 13 (22872) Revision	Textiles Nylon Sewing Threads for Aerospace Purposes Specification Third revision			
	of: IS 4229:1992				

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

 $\begin{aligned} & Others: 0 \\ Service Specification: 0 \end{aligned}$

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: 2019	
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: 2019	revision
4	IS 1376 : 1998	Textiles Cotton sewing threads for aerospace purposes Specification third revision
	Reviewed In: 2019	
5	IS 1402 : 1992	Textiles Braided cotton cord for aerospace purposes Specification second revision
	Reviewed In: 2019	
6	IS 14564 : 1998	Textiles - Cotton tapes for personnel parachutes - Specification
	Reviewed In: 2019	
7	IS 2196 : 1985	Specification for linen flax sewing thread for aeronautical purposes second revision
	Reviewed In: 2019	
8	IS 2197 : 2000	Aerospace textiles Braided Plaited linen flax lacing cord Specification second revision
	Reviewed In: 2019	
		Textiles Scoured or Dyed Cotton Tapes for Aerospace Purposes Specification Second Revision

9	IS 3255 : 2024	
10	IS 3449 : 1984	Specification for cotton webbing for parachutes second revision
1.1	Reviewed In : 2019	
11	IS 3846 : 1984	Specification for rot-proofed cotton tapes for aerospace purposes first revision
10	Reviewed In : 2019	Total Devided and Commence Constitution
12	IS 4227: 1998	Textiles Braided nylon cords for aerospace purposes Specification second revision
13	Reviewed In : 2019	Tautiles Nation tomas for acresmosa grammassa Caraification
13	IS 4228 : 2023	Textiles-Nylon tapes for aerospace purposes-Specification
14	IS 4229 : 1992	Textiles Nylon sewing threads for aerospace purposes Specification second revision
	Reviewed In: 2019	
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: 2019	
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
	Reviewed In: 2019	
19	IS 5746 (Part 1): 1987	Specification for woven glass fibre fabrics for plastic laminates for aerospace purposes - Part 1
	Reviewed In: 2019	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: 2019	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: 2019	use with polyester resin systems second revision
22	IS 6349 : 1981	Specification for tape nylon tubular for aerospace applications first revision
	Reviewed In: 2019	
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: 2019	
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