

BUREAU OF INDIAN STANDARDS

Program of Work

TXD 36 : Technical Textiles for Medtech Applications

Scope: To formulate Indian Standards for terminology, testing and specifications for technical textiles for medtech applications (including medical devices made of textile material) such as healthcare and hygiene textile products, implantable and non-implantable and extra corporeal textile products.

Liaison: **ISO TC-338 (Convenorship):** *Safety, performance and general requirements of menstrual products* **ISO TC-ISO/TC 338 (P):** *Menstrual products* **ISO TC- (Convenorship):** *Terminology*

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10829 : 1993 <i>Reviewed In : 2019</i>	X-Ray Detectable Gauze Swabs and Laparotomy Sponges - Specification (first revision)	May, 2019	1	Indigenous
2	IS 11046 : 1984 <i>Reviewed In : 2020</i>	Specification for Towel, Operating	July, 2020	1	Indigenous
3	IS 11163 : 2021	Medical Textiles - First Aid Dressings - Specification (first revision)		-	Indigenous
4	IS 12839 : 1989 <i>Reviewed In : 2020</i>	Wool/Polyamide Blended Flannel, Hospital, Grey - Specification	July, 2020	1	Indigenous
5	IS 14274 : 1995 <i>Reviewed In : 2020</i> Reaffirmed but not taken up for revision	Bandage, T - Shaped, Calico - Specification	July, 2020	-	Indigenous
6	IS 14306 : 1995 <i>Reviewed In : 2020</i> Reaffirmed but not taken up for revision	Bandage, Triangular, Calico - Specification	July, 2020	-	Indigenous
7	IS 14316 : 1995 <i>Reviewed In : 2020</i>	Swabs, Small, in Bag of 50 - Specification	July, 2020	-	Indigenous
8	IS 14944 : 2020	Surgical Dressings - Methods of Test (first revision)	-	-	Indigenous
9	IS 16111 : 2013 <i>Reviewed In : 2023</i>	Elastic Bandage	June, 2023	3	Indigenous
10	IS 16288 : 2014 <i>Reviewed In : 2019</i>	Medical Textiles - Method for Evaluation of the Bacterial Filtration Efficiency of Surgical Face Masks	May, 2019	1	Indigenous
11	IS 16289 : 2014 <i>Reviewed In : 2019</i>	Medical Textiles - Surgical Face Masks - Specification	May, 2019	-	Indigenous

12	IS 16290 : 2014 Reviewed In : 2019	Medical Textiles - Knitted Viscose Primary Dressings - Specification	May, 2019	-	Indigenous
13	IS 16291 : 2014 Reviewed In : 2019	Medical Textiles - Paraffin Gauze Dressings - Specification	May, 2019	-	Indigenous
14	IS 16302 : 2020	Medical Textiles - Orthopedic Stockinet - Specification (first revision)	-	-	Indigenous
15	IS 16303 : 2014 Reviewed In : 2019	Medical Textiles - Cast Padding for Orthopaedic Plaster - Specification	May, 2019	-	Indigenous
16	IS 16466 : 2020	Medical Textiles - Povidone Iodine Ointment Based Knitted Dressing - Specification (first revision)		-	Indigenous
17	IS 16467 : 2016 Reviewed In : 2020	Medical Textiles - Graduated Medical Compression Stockings - Specification	July, 2020	-	Indigenous
18	IS 16468 : 2016 Reviewed In : 2020	Medical Textiles - Absorbent Cotton (Sterile and Non-Sterile) - Specification	July, 2020	-	Indigenous
19	IS 16469 : 2016 Reviewed In : 2020	Medical Textiles - Open Weave Bandages - Specification	July, 2020	-	Indigenous
20	IS 16470 : 2016 Reviewed In : 2020	Medical Textiles - Elastic Surgical Adhesive Tapes - Specification	July, 2020	-	Indigenous
21	IS 16545 : 2016 ISO 16604 : 2004 Reviewed In : 2020 ISO 16604 : 2004	Clothing for protection against contact with blood and body fluids – Determination of resistance of protective clothing materials to penetration by blood-borne pathogens – Test method using Phi-X174 bacteriophage	July, 2020	-	Identical under dual numbering
22	IS 16546 : 2016 ISO 16603 : 2004 Reviewed In : 2020 ISO 16603 : 2004	Clothing for protection against contact with blood and body fluids - Determination of the resistance of protective clothing materials to penetration by blood and body fluids - Test method using synthetic blood	July, 2020	-	Identical under dual numbering
23	IS 16548 : 2016 ISO 22612 : 2005 Reviewed In : 2020 ISO 22612 : 2005	Clothing for protection against infectious agents - Test method for resistance to dry microbial penetration	July, 2020	-	Identical under dual numbering
24	IS 16549 : 2020 ISO 22610 : 2018 ISO 22610 : 2018	Surgical drapes, gowns and clean air suits, used as medical devices, for patients, clinical staff and equipment – Test method to determine the resistance to wet bacterial penetration (first revision)		-	Identical under dual numbering
25	IS 16660 : 2017 Reviewed In : 2022	Medical textiles - Nonwoven bandage rolls - Specification	February, 2022	-	Indigenous
26	IS 16668 : 2017 Reviewed In : 2022	Medical textiles - Salicylic acid adhesive plaster - Specification	February, 2022	-	Indigenous
27	IS 16669 : 2017 Reviewed In : 2022	Medical textiles - Elastic adhesive dressing - Specification	February, 2022	-	Indigenous
28	IS 16670 : 2017	Medical textiles - Absorbent cotton	February, 2022	-	Indigenous

	Reviewed In : 2022	ribbon gauze - Specification			
29	IS 16671 : 2020	Medical Textiles — Belladonna Adhesive Plaster — Specification (First Revision)		-	Indigenous
30	IS 1681 : 1998 Reviewed In : 2019	Textiles – Hospital blankets, woollen, dyed – Specification (third revision)	May, 2019	1	Indigenous
31	IS 16946 : 2018 Reviewed In : 2022	Medical textiles – Elasticated tubular bandages – Specification	February, 2022	-	Indigenous
32	IS 16948 : 2018 Reviewed In : 2022	Medical textile – Permeable nonwoven surgical adhesive tape – Specification	February, 2022	-	Indigenous
33	IS 16949 : 2018 Reviewed In : 2022	Medical textiles - Adhesive extension plaster - Specification	February, 2022	-	Indigenous
34	IS 16950 : 2018 Reviewed In : 2022	Medical textiles - X - Ray detectable absorbent cotton gauze - Specification	February, 2022	-	Indigenous
35	IS 17243 : 2019 Reviewed In : 2023	Medical textiles – Test methods for compresses for wound management and surgical procedures	August, 2023	1	Indigenous
36	IS 17333 (Part 1) : 2020 ISO 13629-1 : 2012 ISO 13629-1:2012	Textiles – Determination of antifungal activity of textile products Part 1 Luminescence method		-	Identical under dual numbering
37	IS 17333 (Part 2) : 2020 ISO 13629-2 : 2014 ISO 13629-2 : 2014	Textiles – Determination of antifungal activity of textile products Part 2 Plate count method		-	Identical under dual numbering
38	IS 17334 : 2019 Reviewed In : 2023	Medical textiles – Surgical gowns and surgical drapes – Specification	August, 2023	1	Indigenous
39	IS 17347 : 2020 ISO 18184 : 2019 ISO 18184 : 2019	Textiles – Determination of antiviral activity of textile products		-	Identical under dual numbering
40	IS 17348 : 2020	Medical textiles – Adhesive incise drape – Specification		-	Indigenous
41	IS 17349 : 2020	Medical textiles – Shoe covers – Specification		-	Indigenous
42	IS 17350 : 2020	Medical textiles – Abdominal binder – Specification		-	Indigenous
43	IS 17351 : 2020	Medical textiles – Dressing, shell compressed – Specification		-	Indigenous
44	IS 17352 : 2020	Medical textiles – Foam dressing – Specification		-	Indigenous
45	IS 17353 : 2020	Medical textiles – Pressure garment – Specification		-	Indigenous
46	IS 17354 : 2020	Medical textiles – Dental bib/Napkins – Specification		1	Indigenous

47	IS 17359 : 2020	Medical textiles – Anti-embolic stocking for Post op use upto thigh medium – Specification		-	Indigenous
48	IS 17423 : 2021	Medical Textiles — Bio-Protective Coveralls — Specification (First Revision)		1	Indigenous
49	IS 17506 : 2020	Medical Textiles - Hydrocolloid Dressing - Specification		-	Indigenous
50	IS 17507 : 2020	Medical Textiles - Cellulose Wading - Specification		-	Indigenous
51	IS 17508 : 2020	Disposable Adult Incontinence Diaper - Specification		1	Indigenous
52	IS 17509 : 2021	Disposable Baby Diaper Specification		1	Indigenous
53	IS 17514 : 2021	Reusable Sanitary Pad/Sanitary Napkin/Period panties Specification		4	Indigenous
54	IS 17528 : 2021	Medical Textiles Chlorhexidine Gauze Dressing Specification		-	Indigenous
55	IS 17628 : 2021	Medical Textiles — Eye Pad — Specification		-	Indigenous
56	IS 17629 : 2021	Medical Textiles — Caps — Specification		-	Indigenous
57	IS 17630 : 2021	Medical Textiles — Bedsheet and Pillow Cover — Specification		1	Indigenous
58	IS 17786 : 2022	Medical Textiles Underpad Specification		-	Indigenous
59	IS 17787 : 2021	Medical Textiles Nonwoven Wipes Specification		-	Indigenous
60	IS 17788 : 2021	Medical Textiles — Nonwoven Fabric for Wipes — Specification		-	Indigenous
61	IS 18266 : 2023	Textiles - Medical Respirator - Specification		-	Indigenous
62	IS 18552 : 2024	Guidelines for Processing of Multiple-use Healthcare Textiles		-	Indigenous
63	IS 19022 : 2023	Medical Textiles - Barrier Face Covering - Specification		1	Indigenous
64	IS/ISO 20645 : 2004 ISO 20645 : 2004 Reviewed In : 2019 ISO 20645 : 2004	Textile fabrics – Determination of antibacterial activity - Agar diffusing plate test	May, 2019	-	Identical under single numbering
65	IS/ISO 20743 : 2021 ISO 20743 : 2021 ISO 20743 : 2021	Textiles Determination of Antibacterial Activity of Textile Products First revision of ISISO 20743		-	Identical under single numbering
66	4605 : 2020	Crepe Bandage - Specification (Second Revision)		-	Indigenous
67	IS 4717 : 2020	Medical Textiles - Zinc Oxide Self-Adhesive Plaster - Specification (Second Revision)	-	-	Indigenous
68	IS 4738 : 2020	Medical Textiles - Bandage, Plaster of Paris - Specification (Third Revision)	-	-	Indigenous
69	IS 4739 : 2023	Medical Textiles Zinc oxide elastic adhesive bandage Specification		-	Indigenous

		second revision of IS 4739			
70	IS 5405 : 2019 <i>Reviewed In : 2023</i>	Sanitary napkins – Specification (second revision)	August, 2023	4	Indigenous
71	IS 6237 : 1971 <i>Reviewed In : 2023</i>	Specification for handloom cotton cloth for plaster of Paris bandages and cut bandages	June, 2023	-	Indigenous
72	IS 674 : 2023	Medical Textiles Flannel hospital grey Specification (fourth revision of IS 674)		-	Indigenous
73	IS 757 : 1971 <i>Reviewed In : 2023</i>	Specification for handloom cotton lint, absorbent, bleached, non-sterilized (first revision)	June, 2023	1	Indigenous
74	IS 758 : 2023	MEDICAL TEXTILES $\dot{\bar{i}}_c^{1/2}$ COTTON ABSORBENT GAUZE $\dot{\bar{i}}_c^{1/2}$ SPECIFICATION (Fifth Revision of IS 758)		-	Indigenous
75	IS 863 : 2023	Medical Textiles - Cotton bandage cloth - Specification third revision of IS 863		-	Indigenous
76	IS 863 : 1988 <i>Reviewed In : 2022</i>	Specification for cotton bandage cloth, non-sterilized (second revision)	February, 2022	4	Indigenous
77	IS 9751 : 2023	Medical Textiles Bandage suspensory Specification first revision of IS 9751		-	Indigenous

Standards under Development

Projects Approved

SI. No.	Doc No.	Title
1	TXD 36 (25703)	Textiles - Medical Respirator - Specification Amendment - 1

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 36 (25701)	Disposable Baby Diaper Specification Amendment - 2
2	TXD 36 (25704)	MEDICAL TEXTILES COTTON ABSORBENT GAUZE SPECIFICATION Fifth Revision of IS 758 Amendment - 1
3	TXD 36 (25705)	Medical Textiles - Cotton bandage cloth - Specification third revision of IS 863 Amendment - 1

Finalized Draft Indian Standard

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

Finalized Draft Indian Standards under Print

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

Total Published Standards:73 Total Standards Under development:4

Aspect Wise Report

Product : 61
Code of Practices : 1
Methods of Test : 12
Terminology : 0
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 11163 : 2021 ISO 5636-3:2013	Medical Textiles First Aid Dressings Specification First Revision of IS 11163
2	IS 11163(B) : 1985 Reviewed In : 2016	Specification for First-Aid Dressings Bilingual
3	IS 17410 : 2020	Medical Textiles Bio-Protective Coverall Specification
4	IS 5405 : 1980 Reviewed In : 2012 ISO/TS 15883-5 : 200	Sanitary Napkins

Annexure-II :List of Indian Product Standards

Sl. No.	IS No. & Year	Title
1	IS 10829 : 1993 Reviewed In : 2019	X-Ray Detectable Gauze Swabs and Laparotomy Sponges - Specification first revision
2	IS 11046 : 1984 Reviewed In : 2020	Specification for Towel Operating
3	IS 12839 : 1989 Reviewed In : 2020	Wool Polyamide Blended Flannel Hospital Grey - Specification
4	IS 14274 : 1995 Reviewed In : 2020 Reaffirmed but not taken up for revision	Bandage T - Shaped Calico - Specification
5	IS 14306 : 1995 Reviewed In : 2020 Reaffirmed but not taken up for revision	Bandage Triangular Calico - Specification
6	IS 14316 : 1995 Reviewed In : 2020	Swabs Small in Bag of 50 - Specification
7	IS 16111 : 2013 Reviewed In : 2023	Elastic Bandage
8	IS 16289 : 2014 Reviewed In : 2019	Medical Textiles - Surgical Face Masks - Specification
9	IS 16290 : 2014	Medical Textiles - Knitted Viscose Primary Dressings - Specification

	Reviewed In : 2019	
10	IS 16291 : 2014 Reviewed In : 2019	Medical Textiles - Paraffin Gauze Dressings - Specification
11	IS 16302 : 2020	Medical Textiles - Orthopedic Stockinet - Specification first revision
12	IS 16303 : 2014 Reviewed In : 2019	Medical Textiles - Cast Padding for Orthopaedic Plaster - Specification
13	IS 16466 : 2020	Medical Textiles - Povidone Iodine Ointment Based Knitted Dressing - Specification first revision
14	IS 16467 : 2016 Reviewed In : 2020	Medical Textiles - Graduated Medical Compression Stockings - Specification
15	IS 16468 : 2016 Reviewed In : 2020	Medical Textiles - Absorbent Cotton Sterile and Non-Sterile - Specification
16	IS 16469 : 2016 Reviewed In : 2020	Medical Textiles - Open Weave Bandages - Specification
17	IS 16470 : 2016 Reviewed In : 2020	Medical Textiles - Elastic Surgical Adhesive Tapes - Specification
18	IS 16660 : 2017 Reviewed In : 2022	Medical textiles - Nonwoven bandage rolls - Specification
19	IS 16668 : 2017 Reviewed In : 2022	Medical textiles - Salicylic acid adhesive plaster - Specification
20	IS 16669 : 2017 Reviewed In : 2022	Medical textiles - Elastic adhesive dressing - Specification
21	IS 16670 : 2017 Reviewed In : 2022	Medical textiles - Absorbent cotton ribbon gauze - Specification
22	IS 16671 : 2020	Medical Textiles Belladonna Adhesive Plaster Specification First Revision
23	IS 1681 : 1998 Reviewed In : 2019	Textiles Hospital blankets woollen dyed Specification third revision
24	IS 16946 : 2018 Reviewed In : 2022	Medical textiles Elasticated tubular bandages Specification
25	IS 16948 : 2018 Reviewed In : 2022	Medical textile Permeable nonwoven surgical adhesive tape Specification
26	IS 16949 : 2018 Reviewed In : 2022	Medical textiles - Adhesive extension plaster - Specification
27	IS 16950 : 2018 Reviewed In : 2022	Medical textiles - X - Ray detectable absorbent cotton gauze - Specification
28	IS 17334 : 2019 Reviewed In : 2023	Medical textiles Surgical gowns and surgical drapes Specification
29	IS 17348 : 2020	Medical textiles Adhesive incise drape Specification
30	IS 17349 : 2020	Medical textiles Shoe covers Specification

31	IS 17350 : 2020	Medical textiles Abdominal binder Specification
32	IS 17351 : 2020	Medical textiles Dressing shell compressed Specification
33	IS 17352 : 2020	Medical textiles Foam dressing Specification
34	IS 17353 : 2020	Medical textiles Pressure garment Specification
35	IS 17354 : 2020	Medical textiles Dental bib Napkins Specification
36	IS 17359 : 2020	Medical textiles Anti-embolic stocking for Post op use upto thigh medium Specification
37	IS 17423 : 2021 ISO/TR 21960 : 2020	Medical Textiles Bio-Protective Coveralls Specification First Revision
38	IS 17506 : 2020	Medical Textiles - Hydrocolloid Dressing - Specification
39	IS 17507 : 2020	Medical Textiles - Cellulose Wading - Specification
40	IS 17508 : 2020	Disposable Adult Incontinence Diaper - Specification
41	IS 17509 : 2021 ISO/IEC 19795-5:2011	Disposable Baby Diaper Specification
42	IS 17514 : 2021 ISO 18185-5:2007	Reusable Sanitary Pad/Sanitary Napkin/Period panties Specification
43	IS 17528 : 2021 IEC 60721-3-2: 2018	Medical Textiles Chlorhexidine Gauze Dressing Specification
44	IS 17628 : 2021 ISO 105-P01:1993	Medical Textiles Eye Pad Specification
45	IS 17629 : 2021 ISO/IEC/TS 19795-9:2019	Medical Textiles Caps Specification
46	IS 17630 : 2021 ISO 15585 : 2019	Medical Textiles Bedsheet and Pillow Cover Specification
47	IS 17786 : 2022 ISO 15223-1:2021	Medical Textiles Underpad Specification
48	IS 17787 : 2021 ISO 12215-1:2000	Medical Textiles Nonwoven Wipes Specification
49	IS 17788 : 2021 ISO 14243-1:2009	Medical Textiles Nonwoven Fabric for Wipes Specification
50	IS 18266 : 2023	Textiles - Medical Respirator - Specification
51	IS 19022 : 2023	Medical Textiles - Barrier Face Covering - Specification
52	4605 : 2020 15848 -2 : 2015	Crepe Bandage - Specification Second Revision
53	IS 4717 : 2020	Medical Textiles - Zinc Oxide Self-Adhesive Plaster - Specification Second Revision

54	IS 4738 : 2020	Medical Textiles - Bandage Plaster of Paris - Specification Third Revision
55	IS 4739 : 2023	Medical Textiles Zinc oxide elastic adhesive bandage Specification second revision of IS 4739
56	IS 6237 : 1971 Reviewed In : 2023	Specification for handloom cotton cloth for plaster of Paris bandages and cut bandages
57	IS 674 : 2023	Medical Textiles Flannel hospital grey Specification fourth revision of IS 674
58	IS 757 : 1971 Reviewed In : 2023	Specification for handloom cotton lint absorbent bleached non-sterilized first revision
59	IS 758 : 2023	MEDICAL TEXTILES COTTON ABSORBENT GAUZE SPECIFICATION Fifth Revision of IS 758
60	IS 863 : 2023	Medical Textiles - Cotton bandage cloth - Specification third revision of IS 863
61	IS 9751 : 2023	Medical Textiles Bandage suspensory Specification first revision of IS 9751