BUREAU OF INDIAN STANDARDS

Program of Work

TXD 40 : High Performance Fibres, Fibrous Structure and Textile Components of Composites

Scope: To formulate Indian standards for terminology, testing, code of practice and specifications for high performance fibres, fibrous structure, and textile components of composites.

Liaison: **ISO TC-38 (P):** *Textiles* **ISO TC-38 (P):** *Textiles*

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 11273:2023	TEXTILES WOVEN ROVING FABRICS OF E GLASS FIBRE SPECIFICATION Second Revision of IS 11273		-	Indigenous
2	IS 11320:2024	Textiles ï¿½ Glass Fibre Rovings for the Reinforcement of Polyester, Phenolic, Vinyl Ester and of Epoxide Thermoset Resin Systems ï¿½ Specification (Second Revision of IS 11320)		-	Indigenous
3	IS 11551:2024	Textiles ï¿½ Glass Fibre Chopped Strand Mat for the Reinforcement of Epoxy, Vinyl Ester, Phenolic and Polyester Thermoset Resin Systems ï¿½ Specification (Second Revision of IS 11551)		-	Indigenous
4	IS 17297:2025 ISO 1888:2022 ISO 1888:2022	TEXTILE GLASS ï¿½ STAPLE FIBRES OR FILAMENTS ï¿½ DETERMINATION OF AVERAGE DIAMETER (First Revision)		-	Identical under dual numbering
5	IS 17298:2019 ISO 1889 : 2009 ISO 1889:2009	Reinforcement yarns – Determination of linear density	September, 2023	-	Identical under dual numbering
6	IS 17299:2019 ISO 1890 : 2009 ISO 1890:2009	Reinforcement yarns – Determination of twist	September, 2023	-	Identical under dual numbering
7	IS 17300:2025 ISO 2078:2022 ISO 2078:2022	TEXTILE GLASS ï¿½ YARNS ï¿½ DESIGNATION (First Revision)		-	Identical under dual numbering
8	IS 17301:2019 ISO 3341 : 2000 ISO 3341:2000	Textile glass – Yarns – Determination of breaking force and breaking elongation	September, 2023	-	Identical under dual numbering
9	IS 17302:2019 ISO 3342 : 2011 ISO 3342:2011	Textile glass – Mats ¬– Determination of tensile breaking force	September, 2023	-	Identical under dual numbering
10	IS 17303:2019 ISO 3343 : 2010	Reinforcement yarns – Determination of twist balance	September, 2023	-	Identical under dual numbering

	ISO 3343:2010	index			
11	IS 17304:2019 ISO 3375 : 2009 ISO 3375:2009	Textile glass – Determination of stiffness of rovings	September, 2023	-	Identical under dual numbering
12	IS 17305:2019 ISO 4602 : 2010 ISO 4602:2010	Reinforcements – Woven fabrics – Determination of number of yarns per unit length of warp and weft	September, 2023	-	Identical under dual numbering
13	IS 17306:2025 ISO 10119:2020 ISO 10119:2020	CARBON FIBRE - DETERMINATION OF DENSITY (First Revision)		-	Identical under dual numbering
14	IS 17307:2019 IOS 11567 : 2018 ISO 11567:2018	Carbon fibre – Determination of filament diameter and cross-sectional area	September, 2023	-	Identical under dual numbering
15	IS 17308:2019 ISO 13002 : 1998 ISO 13002:1998	Carbon fibre – Designation system for filament yarns	September, 2023	-	Identical under dual numbering
16	IS 17309:2019 ISO 3374 : 2000 ISO 3374:2000	Reinforcement products – Mats and fabrics – Determination of mass per unit area	September, 2023	-	Identical under dual numbering
17	IS 17311:2019 ISO 11566 : 2017 ISO 11566:1996	Carbon fibre – Determination of the tensile properties of single-filament specimens	September, 2023	-	Identical under dual numbering
18	IS 17312:2019 ISO 4603 : 1993 ISO 4603:1993	Textile glass – Woven fabrics – Determination of thickness	September, 2023	-	Identical under dual numbering
19	IS 17313:2019 ISO 3344 : 1997 ISO 3344:1997	Reinforcement products – Determination of moisture content	September, 2023	-	Identical under dual numbering
20	IS 17592:2021 ISO 5025:2017 ISO 5025:2017	Reinforcement products -- Woven fabrics -- Determination of width and length	September, 2025	-	Identical under dual numbering
21	IS 17593:2021 ISO 8516:2011 ISO 8516:2011	Textile glass -- Textured yarns -- Basis for a specification	September, 2025	-	Identical under dual numbering
22	IS 17594:2021 ISO 4900:2011 ISO 4900:2011	Textile glass -- Mats and fabrics -- Determination of contact mouldability	September, 2025	-	Identical under dual numbering
23	IS 17595:2021 ISO 4606:1995 ISO 4606:1995	Textile glass -- Woven fabric -- Determination of tensile breaking force and elongation at break by the strip method	September, 2025	-	Identical under dual numbering
24	IS 17596:2021 ISO 3616:2001 ISO 3616:2001	Textile glass -- Chopped-strand and continuous-filament mats -- Determination of average thickness thickness under load and recovery after compression	September, 2025	-	Identical under dual numbering
25	IS 17597:2021 ISO 3598:2011 ISO 3598:2011	Textile glass -- Yarns -- Basis for a specification	September, 2025	-	Identical under dual numbering
26	IS 17598:2021 ISO 2797:2017 ISO 2797:2017	Textile glass -- Rovings -- Basis for a specification	September, 2025	-	Identical under dual numbering
27	IS 17599:2021 ISO 2113:1996 ISO 2113:1996	Reinforcement fibres -- Woven fabrics -- Basis for a specification	September, 2025	-	Identical under dual numbering
28	IS 17599:2026 ISO 2113:1996	REINFORCEMENT FIBRES — WOVEN FABRICS — REQUIREMENTS AND SPECIFICATIONS (First		-	Identical under dual numbering

		Revision)			
29	IS 17600:2021 ISO 1887:2014 ISO 1887:2014	Textile glass -- Determination of combustible-matter content	September, 2025	-	Identical under dual numbering
30	IS 17601:2021 ISO 10122:2014 ISO 10122:2014	Reinforcement materials -- Tubular braided sleeves -- Basis for a specification	September, 2025	1	Identical under dual numbering
31	IS 17602:2021 ISO 10371:1993 ISO 10371:1993	Reinforcement materials -- Braided tapes -- Basis for a specification	September, 2025	-	Identical under dual numbering
32	IS 17603:2021 ISO 13931:2013 ISO 13931:2013	Carbon fibre -- Determination of volume resistivity	September, 2025	-	Identical under dual numbering
33	IS 17604:2021 ISO 15039:2003 ISO 15039:2003	Textile - glass rovings -- Determination of solubility of size	September, 2025	-	Identical under dual numbering
34	IS 17605:2021 ISO 10548:202 ISO 10548:202	Carbon fibre Determination of size content	September, 2025	-	Identical under dual numbering
35	IS 17611:2021 ISO 4604:2011 ISO 4604:2011	Reinforcement fabrics -- Determination of conventional flexural stiffness -- Fixed-angle flexometer method	September, 2025	-	Identical under dual numbering
36	IS 18453:2023 ISO 2558 : 2010 ISO 2558 : 2010	Textile Glass Chopped-Strand Mats for Reinforcement of Plastics Determination of Time of Dissolution of the Binder in Styrene		-	Identical under dual numbering
37	IS 18454:2023 ISO 2559 : 2011 ISO 2559 : 2011	Textile Glass Mats Made from Chopped or Continuous Strands Designation and Basis for Specifications		-	Identical under dual numbering
38	IS 18455:2023 ISO 10618 : 2004 ISO 10618 : 2004	Carbon Fibre Determination of Tensile Properties of Resin-Impregnated Yarn		-	Identical under dual numbering
39	IS 18456:2023 ISO 15100 : 2000 ISO 15100 : 2000	Plastics Reinforcement Fibres Chopped Strands Determination of Bulk Density		-	Identical under dual numbering
40	IS 18457:2023 ISO 22314 : 2006 ISO 22314 : 2006	Plastics Glass-Fibre-Reinforced Products Determination of Fibre Length		-	Identical under dual numbering
41	IS 19825:2026	TEXTILES — PVC COATED FIBERGLASS INSECT SCREEN — SPECIFICATION		-	

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.	Doc No.	Title
No Records Found		

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 40 (14017)	Textile glass -- Staple fibres or filaments -- Determination of average diameter
2	TXD 40 (14018)	Reinforcement yarns -- Determination of linear density
3	TXD 40 (14019)	Reinforcement yarns -- Determination of twist
4	TXD 40 (14020)	Textile glass -- Yarns Designation
5	TXD 40 (14021)	Textile glass -- Yarns -- Determination of breaking force and breaking elongation
6	TXD 40 (14022)	Textile glass -- Mats -- Determination of tensile breaking force
7	TXD 40 (14023)	Reinforcement yarns -- Determination of twist balance index
8	TXD 40 (14024)	Reinforcement products -- Determination of moisture content
9	TXD 40 (14025)	Reinforcement products -- Mats and fabrics -- Determination of mass per unit area
10	TXD 40 (14026)	Textile glass -- Determination of stiffness of rovings
11	TXD 40 (14027)	Reinforcements -- Woven fabrics -- Determination of number of yarns per unit length of warp and weft
12	TXD 40 (14028)	Textile glass -- Woven fabrics -- Determination of thickness
13	TXD 40 (14029)	Carbon fibre -- Determination of density
14	TXD 40 (14030)	Carbon fibre -- Determination of the tensile properties of single- filament specimens
15	TXD 40 (14031)	Carbon fibre -- Determination of filament diameter and cross- sectional area
16	TXD 40 (14032)	Carbon fibre -- Designation system for filament yarns
17	TXD 40 (14761)	Textile glass -- Determination of combustible-matter content
18	TXD 40 (14762)	Reinforcement fibres -- Woven fabrics -- Basis for a specification
19	TXD 40 (14763)	Textile glass -- Rovings -- Basis for a specification
20	TXD 40 (14764)	Textile glass -- Yarns -- Basis for a specification
21	TXD 40 (14765)	Textile glass -- Chopped-strand and continuous-filament mats -- Determination of average thickness thickness under load and recovery after compression
22	TXD 40 (14766)	Reinforcement fabrics -- Determination of conventional flexural stiffness -- Fixed-angle flexometer method
23	TXD 40 (14767)	Textile glass -- Woven fabric -- Determination of tensile breaking force and elongation at break by the strip method
24	TXD 40 (14768)	Textile glass -- Mats and fabrics -- Determination of contact mouldability
25	TXD 40 (14769)	Reinforcement products -- Woven fabrics -- Determination of width and length
26	TXD 40 (14770)	Textile glass -- Textured yarns -- Basis for a specification
27	TXD 40 (14771)	Reinforcement materials -- Tubular braided sleeves -- Basis for a specification
28	TXD 40 (14772)	Reinforcement materials -- Braided tapes -- Basis for a specification
29	TXD 40 (14773)	Carbon fibre -- Determination of volume resistivity
30	TXD 40 (14774)	Textile - glass rovings -- Determination of solubility of size
31	TXD 40 (14888)	Carbon fibre Determination of size content
32	TXD 40 (20306)	Reinforcement fibres Woven fabrics Basis for a specification Amendment - 1
33	TXD 40 (20307)	Textile glass Chopped-strand and continuous-filament mats Determination of average thickness thickness under load and recovery after compression Amendment - 1
34	TXD 40 (20308)	Carbon fibre Determination of size content Amendment - 1
35	TXD 40 (20309)	Textile glass rovings Determination of solubility of size Amendment - 1
36	TXD 40 (20310)	Textile Glass Chopped-Strand Mats for Reinforcement of Plastics Determination of Time of

		Dissolution of the Binder in Styrene
37	TXD 40 (20311)	Textile Glass Mats Made from Chopped or Continuous Strands Designation and Basis for Specifications
38	TXD 40 (20314)	Carbon Fibre Determination of Tensile Properties of Resin-Impregnated Yarn
39	TXD 40 (20315)	Plastics Reinforcement Fibres Chopped Strands Determination of Bulk Density
40	TXD 40 (20316)	Plastics Glass-Fibre-Reinforced Products Determination of Fibre Length
41	TXD 40 (22321) Revision of: IS 11273:1992	TEXTILES WOVEN ROVING FABRICS OF E GLASS FIBRE SPECIFICATION Second Revision of IS 11273
42	TXD 40 (22322) Revision of: IS 11320:1997	Textiles Glass Fibre Rovings for the Reinforcement of Polyester Phenolic Vinyl Ester and of Epoxide Thermoset Resin Systems Specification Second Revision of IS 11320
43	TXD 40 (22326) Revision of: IS 11551:1996	Textiles Glass Fibre Chopped Strand Mat for the Reinforcement of Epoxy Vinyl Ester Phenolic and Polyester Thermoset Resin Systems Specification Second Revision of IS 11551
44	TXD 40 (24842) Revision of: IS 17297:2019	TEXTILE GLASS STAPLE FIBRES OR FILAMENTS DETERMINATION OF AVERAGE DIAMETER First Revision
45	TXD 40 (24843) Revision of: IS 17300:2019	TEXTILE GLASS YARNS DESIGNATION First Revision
46	TXD 40 (24844) Revision of: IS 17306:2019	CARBON FIBRE DETERMINATION OF DENSITY First Revision
47	TXD 40 (28722) Revision of: IS 17596:2021	TEXTILE GLASS CHOPPED-STRAND AND CONTINUOUS-FILAMENT MATS DETERMINATION OF AVERAGE THICKNESS THICKNESS UNDER LOAD AND RECOVERY AFTER COMPRESSION First Revision
48	TXD 40 (28726) Revision of: IS 17599:2021	REINFORCEMENT FIBRES WOVEN FABRICS REQUIREMENTS AND SPECIFICATIONS First Revision
49	TXD 40 (32816)	Textiles - Aramid filament - Specification
50	TXD 40 (32992)	TEXTILES PVC COATED FIBERGLASS INSECT SCREEN SPECIFICATION
51	TXD 40 (33841)	Textiles - Carbon Fibres - Specification

Total Published Standards:40 Total Standards Under development:51

Aspect Wise Report

Product : 4
Code of Practices : 6
Methods of Test : 27
Terminology : 2
Dimensions : 0
System Standard : 0
Safety Standard : 0
Others : 0
Service Specification : 0
Process Specification : 0
Unclassified : 1

Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
No Records Found		

Annexure-II :List of Indian Product Standards

SI. No.	IS No. & Year	Title
1	IS 11273:2023	TEXTILES WOVEN ROVING FABRICS OF E GLASS FIBRE SPECIFICATION Second Revision of IS 11273
2	IS 11320:2024	Textiles Glass Fibre Rovings for the Reinforcement of Polyester Phenolic Vinyl Ester and of Epoxide Thermoset Resin Systems Specification Second Revision of IS 11320
3	IS 11551:2024	Textiles Glass Fibre Chopped Strand Mat for the Reinforcement of Epoxy Vinyl Ester Phenolic and Polyester Thermoset Resin Systems Specification Second Revision of IS 11551
4	IS 18454:2023	Textile Glass Mats Made from Chopped or Continuous Strands Designation and Basis for

	ISO 2559 : 2011	Specifications