

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:

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 $i_c^{1/2}$ Glass Fibre Rovings for the Reinforcement of Polyester, Phenolic, Vinyl Ester and of Epoxide Thermoset Resin Systems $i_c^{1/2}$ Specification (Second Revision of IS 11320)		-	Indigenous
3	IS 11551 : 2024	Textiles $i_c^{1/2}$ Glass Fibre Chopped Strand Mat for the Reinforcement of Epoxy, Vinyl Ester, Phenolic and Polyester Thermoset Resin Systems $i_c^{1/2}$ Specification (Second Revision of IS 11551)		-	Indigenous
4	IS 17297 : 2019 ISO 1888 : 2006 Reviewed In : 2024 ISO 1888:2006	Textile glass – Staple fibres or filaments – Determination of average diameter	February, 2024	-	Identical under dual numbering
5	IS 17298 : 2019 ISO 1889 : 2009 Reviewed In : 2023 ISO 1889:2009	Reinforcement yarns – Determination of linear density	September, 2023	-	Identical under dual numbering
6	IS 17299 : 2019 ISO 1890 : 2009 Reviewed In : 2023 ISO 1890:2009	Reinforcement yarns – Determination of twist	September, 2023	-	Identical under dual numbering
7	IS 17300 : 2019 ISO 2078 : 1993 Reviewed In : 2024 ISO 2078:1993	Textile glass – Yarns – Designation	February, 2024	-	Identical under dual numbering
8	IS 17301 : 2019 ISO 3341 : 2000 Reviewed In : 2023 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	Textile glass – Mats – Determination of tensile breaking	September, 2023	-	Identical under dual numbering

	Reviewed In : 2023 ISO 3342:2011	force			
10	IS 17303 : 2019 ISO 3343 : 2010 Reviewed In : 2023 ISO 3343:2010	Reinforcement yarns – Determination of twist balance index	September, 2023	-	Identical under dual numbering
11	IS 17304 : 2019 ISO 3375 : 2009 Reviewed In : 2023 ISO 3375:2009	Textile glass – Determination of stiffness of rovings	September, 2023	-	Identical under dual numbering
12	IS 17305 : 2019 ISO 4602 : 2010 Reviewed In : 2023 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 : 2019 ISO 10119 : 2002 Reviewed In : 2024 ISO 10119:2002	Carbon fibre – Determination of density	February, 2024	-	Identical under dual numbering
14	IS 17307 : 2019 IOS 11567 : 2018 Reviewed In : 2023 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 Reviewed In : 2023 ISO 13002:1998	Carbon fibre – Designation system for filament yarns	September, 2023	-	Identical under dual numbering
16	IS 17309 : 2019 ISO 3374 : 2000 Reviewed In : 2023 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 Reviewed In : 2023 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 Reviewed In : 2023 ISO 4603:1993	Textile glass – Woven fabrics – Determination of thickness	September, 2023	-	Identical under dual numbering
19	IS 17313 : 2019 ISO 3344 : 1997 Reviewed In : 2023 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		-	Identical under dual numbering
21	IS 17593 : 2021 ISO 8516:2011 ISO 8516:2011	Textile glass -- Textured yarns -- Basis for a specification		-	Identical under dual numbering
22	IS 17594 : 2021 ISO 4900:2011 ISO 4900:2011	Textile glass -- Mats and fabrics -- Determination of contact mouldability		-	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		-	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		-	Identical under dual numbering

		after compression			
25	IS 17597 : 2021 ISO 3598:2011 ISO 3598:2011	Textile glass -- Yarns -- Basis for a specification		-	Identical under dual numbering
26	IS 17598 : 2021 ISO 2797:2017 ISO 2797:2017	Textile glass -- Rovings -- Basis for a specification		-	Identical under dual numbering
27	IS 17599 : 2021 ISO 2113:1996 ISO 2113:1996	Reinforcement fibres -- Woven fabrics -- Basis for a specification		-	Identical under dual numbering
28	IS 17600 : 2021 ISO 1887:2014 ISO 1887:2014	Textile glass -- Determination of combustible-matter content		-	Identical under dual numbering
29	IS 17601 : 2021 ISO 10122:2014 ISO 10122:2014	Reinforcement materials -- Tubular braided sleeves -- Basis for a specification		1	Identical under dual numbering
30	IS 17602 : 2021 ISO 10371:1993 ISO 10371:1993	Reinforcement materials -- Braided tapes -- Basis for a specification		-	Identical under dual numbering
31	IS 17603 : 2021 ISO 13931:2013 ISO 13931:2013	Carbon fibre -- Determination of volume resistivity		-	Identical under dual numbering
32	IS 17604 : 2021 ISO 15039:2003 ISO 15039:2003	Textile - glass rovings -- Determination of solubility of size		-	Identical under dual numbering
33	IS 17605 : 2021 ISO 10548:202 ISO 10548:202	Carbon fibre Determination of size content		-	Identical under dual numbering
34	IS 17611 : 2021 ISO 4604:2011 ISO 4604:2011	Reinforcement fabrics -- Determination of conventional flexural stiffness -- Fixed-angle flexometer method		-	Identical under dual numbering
35	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
36	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
37	IS 18455 : 2023 ISO 10618 : 2004 ISO 10618 : 2004	Carbon Fibre Determination of Tensile Properties of Resin-Impregnated Yarn		-	Identical under dual numbering
38	IS 18456 : 2023 ISO 15100 : 2000 ISO 15100 : 2000	Plastics Reinforcement Fibres Chopped Strands Determination of Bulk Density		-	Identical under dual numbering
39	IS 18457 : 2023 ISO 22314 : 2006 ISO 22314 : 2006	Plastics Glass-Fibre-Reinforced Products Determination of Fibre Length		-	Identical under dual numbering

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 40 (24842)	TEXTILE GLASS STAPLE FIBRES OR FILAMENTS DETERMINATION OF AVERAGE DIAMETER First Revision
2	TXD 40 (24843)	TEXTILE GLASS YARNS DESIGNATION First Revision
3	TXD 40 (24844)	CARBON FIBRE DETERMINATION OF DENSITY First 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
<i>No Records Found</i>		

Total Published Standards:34 Total Standards Under development:3

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 : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
<i>No Records Found</i>		

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 ISO 2559 : 2011	Textile Glass Mats Made from Chopped or Continuous Strands Designation and Basis for Specifications
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