

BUREAU OF INDIAN STANDARDS

Program of Work

PCD 29 : Methods of Test for Rubber and Rubber Products

Scope: To formulate Indian Standards for methods of sampling and test of rubber and rubber products.

Liaison: **ISO TC-45 SC-2 (P): Testing and analysis**

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10016 (Part 1) : 1981 <i>Reviewed In : 2019</i>	Methods of test for polybutadiene rubbers: Part 1 method of taking out test portions from sample bales	January, 2019	-	Indigenous
2	IS 10016 (Part 2) : 1984 <i>Reviewed In : 2019</i>	Methods of test for polybutadiene rubbers: Part 2 determination of ash	January, 2019	-	Indigenous
3	IS 10016 (Part 4) : 1984 <i>Reviewed In : 2019</i>	Methods of test for polybutadiene rubbers: Part 4 determination of cis, trans and vinyl structure	January, 2019	-	Indigenous
4	IS 10016 (Part 5) : 1981 <i>Reviewed In : 2019</i>	Methods of test for polybutadiene rubbers: Part 5 determination of gel content	January, 2019	-	Indigenous
5	IS 10016 (Part 6) : 2000 <i>Reviewed In : 2019</i> <i>ISO 2476:2014</i>	Methods of test for polybutadiene rubbers: Part 6 evaluation of vulcanization characteristics of polybutadiene rubbers (Br : 2)	January, 2019	-	Not Equivalent
6	IS 11720 (Part 1) : 1986 <i>Reviewed In : 2020</i> <i>ASTM D 1416:1983</i>	Methods of test for synthetic rubber: Part 1 determination of antioxidants	September, 2020	1	Not Equivalent
7	IS 11720 (Part 2) : 2013 ISO 3417 :2008 <i>Reviewed In : 2019</i> <i>ISO 3417 :2008</i>	Methods of test for synthetic rubber: Part 2 measurement of vulcanization characteristics with the oscillating disc curemeter (Second Revision)	January, 2019	-	Identical under dual numbering
8	IS 11720 (Part 3) : 1993 <i>Reviewed In : 2019</i> <i>ISO 289-1:2015</i>	Methods of test for synthetic rubber: Part 3 determination of mooney viscosity	January, 2019	-	Not Equivalent
9	IS 11720 (Part 4) : 1993 <i>Reviewed In : 2019</i> <i>ISO 248-1:2011</i>	Methods of test for synthetic rubber: Part 4 determination of volatile matter	January, 2019	-	Not Equivalent
10	IS 11720 (Part 5) : 1993 <i>Reviewed In : 2019</i> <i>ISO 247:2006</i>	Methods of test for synthetic rubber: Part 5 determination of ash	January, 2019	-	Not Equivalent
11	IS 11720 (Part 6) :	Methods of test for synthetic	July, 2017	-	Not Equivalent

	2001 Reviewed In : 2017 ISO 1407:2011	rubber: Part 6 determination of solvent extract			
12	IS 11720 (Part 11) : 2001 ISO 7781 Reviewed In : 2017 ISO 7781	Methods of test for synthetic rubber: Part 11 rubber, raw styrene - Butadiene - Determination of soap and organic - Acid content	July, 2017	-	Identical under dual numbering
13	IS 11720 (Part 13) : 2001 Reviewed In : 2017 ASTM D 3616:1995	Methods of test for synthetic rubber: Part 13 determination of gel content	July, 2017	-	Not Equivalent
14	13867 : 2021 ISO 23529:2016	Rubber - General Procedures for Preparing and Conditioning Test Pieces for Physical Test Methods (First Revision)		-	Identical under dual numbering
15	IS 14788 : 2018 ISO 2322 : 2014 ISO 2322:2014	Styrene - Butadiene rubber (Sbr) - Emulsion and solution - Polymerized types - Evaluation procedures (First Revision)		-	Identical under dual numbering
16	IS 14789 : 2000 ISO 5478 Reviewed In : 2019 ISO 5478	Rubber - Determination of styrene content - Nitration method	January, 2019	-	Identical under dual numbering
17	IS 14794 : 2022 ISO 2302:2020 ISO 2302:2020	ISOBUTENE-ISOPRENE RUBBER IIR EVALUATION PROCEDURES Third Revision		-	Identical under dual numbering
18	IS 15076 : 2018 ISO 2475:2011 Reviewed In : 2024 ISO 2475:2011	Chloroprene Rubber CR - General Purpose Types Evaluation Procedure First Revision	March, 2024	-	Identical under dual numbering
19	IS 16705 : 2018 ISO/TS 16095	Reclaimed rubber derived from products containing mainly natural rubber Evaluation procedure		-	Modified/Technically Equivalent
20	IS 16713 : 2018 ISO/TS 16096	Reclaimed isobutene - Isoprene (Iir) rubber - Evaluation procedure		-	Modified/Technically Equivalent
21	IS 16751 : 2018 ISO 9691 : 1992 ISO 9691:1992	Rubber - Recommendations for the workmanship of pipe joint rings - Description and classification of imperfections		-	Identical under dual numbering
22	IS 16752 : 2018 ISO 3302-1 : 2014 ISO 3302-1:2014	Rubber - Tolerances for products - Dimensional tolerances		-	Identical under dual numbering
23	IS 16774 : 2018 ISO 2439 : 2008 ISO 2439:2008	Flexible cellular polymeric materials - Determination of hardness (Indentation Technique)		-	Identical under dual numbering
24	IS 16801 : 2018 ISO 4650 : 2012 Reviewed In : 2024 ISO 4650:2012	Rubber - Identification - Infrared spectrometric methods	March, 2024	-	Identical under dual numbering
25	IS 16848 : 2018 ISO 6502 : 2016 ISO 6502:2016	Rubber - Guide to the use of curemeters		-	Identical under dual numbering
26	IS 16848 (Part 1/Section 1) : 2024 6502-1: 2018 6502-1: 2018	Rubber; ½ Methods of Test Part 1 Measurement of vulcanization characteristics using curemeters Section 1 Introduction		-	Identical under dual numbering
27	IS 16848 (Part 1/Section 1)	Rubber; ½ Methods of Test Part 1		-	Identical under dual

	2) : 2024 6502-2:2018 6502-2:2018	Measurement of vulcanization characteristics using curemeters Section 2 Oscillating disc curemeter			numbering
28	IS 16848 (Part 1/Section 3) : 2024 ISO 6502-3:2023 ISO 6502-3:2023	Rubber $i_c/2$ Methods of Test Part 1 Measurement of vulcanization characteristics using curemeters Section 3 Rotorless curemeter		-	Identical under dual numbering
29	IS 17115 : 2019 ISO 3385 : 2014 Reviewed In : 2024 ISO 3385:2014	Flexible cellular polymeric materials - Determination of fatigue by constant - Load pounding	March, 2024	-	Identical under dual numbering
30	IS 17159 : 2019 ISO 6605 : 2017 Reviewed In : 2024 ISO 6605:2017	Hydraulic fluid power - Hoses and hose assemblies - Test methods	March, 2024	-	Identical under dual numbering
31	IS 17160 : 2019 ISO 9298 : 2017 Reviewed In : 2024 ISO 9298:2017	Rubber compounding ingredients - Zinc oxide - Test methods	March, 2024	-	Identical under dual numbering
32	IS 3400 : 2021 ISO 37 : 2017 ISO 37 : 2017	Methods of Test for Vulcanized Rubber Part 1 Tensile Stress-Strain Properties		-	Identical under dual numbering
33	IS 3400 (Part 2) : 2023 ISO 48-2:2018 ISO 48-2:2018	METHODS OF TEST FOR RUBBER, VULCANIZED OR THERMOPLASTIC PART 2 DETERMINATION OF HARDNESS SECTION 2 HARDNESS BETWEEN 10 IRHD AND 100 IRHD (Fifth Revision)		-	Identical under dual numbering
34	IS 3400 (Part 2/Section 1) : 2022 ISO 48-1:2018 ISO 48-1:2018	METHODS OF TEST FOR RUBBER, VULCANIZED OR THERMOPLASTIC PART 2 DETERMINATION OF HARDNESS SECTION 1 INTRODUCTION AND GUIDANCE		-	Identical under dual numbering
35	IS 3400 (Part 2/Section 3) : 2022 ISO 48-3:2018 ISO 48-3:2018	METHODS OF TEST FOR RUBBER, VULCANIZED OR THERMOPLASTIC PART 2 DETERMINATION OF HARDNESS SECTION 3 DEAD-LOAD HARDNESS USING THE VERY LOW RUBBER HARDNESS (VLRH) SCALE		-	Identical under dual numbering
36	IS 3400 (Part 2/Section 4) : 2022 ISO 48-4:2018 ISO 48-4:2018	METHODS OF TEST FOR RUBBER, VULCANIZED OR THERMOPLASTIC PART 2 DETERMINATION OF HARDNESS SECTION 4 INDENTATION HARDNESS BY DUROMETER METHOD (SHORE HARDNESS) (Second Revision)		-	Identical under dual numbering
37	IS 3400 (Part 2/Section 5) : 2022 ISO 48-5:2018 ISO 48-5:2018	METHODS OF TEST FOR RUBBER, VULCANIZED OR THERMOPLASTIC PART 2 DETERMINATION OF HARDNESS SECTION 5		-	Identical under dual numbering

		INDENTATION HARDNESS BY IRHD POCKET METER METHOD (Second Revision)			
38	IS 3400 (Part 2/Sec 6) : 2023 ISO 48-6:2018 ISO 48-6:2018	METHODS OF TEST FOR RUBBER, VULCANIZED OR THERMOPLASTIC PART 2 DETERMINATION OF HARDNESS SECTION 6 APPARENT HARDNESS OF RUBBER-COVERED ROLLERS BY IRHD METHOD		-	Identical under dual numbering
39	IS 3400 (Part 2/Sec 7) : 2022 ISO 48-7:2018 ISO 48-7:2018	METHODS OF TEST FOR RUBBER, VULCANIZED OR THERMOPLASTIC PART 2 DETERMINATION OF HARDNESS SECTION 7 APPARENT HARDNESS OF RUBBER-COVERED ROLLERS BY SHORE-TYPE DUROMETER METHOD		-	Identical under dual numbering
40	IS 3400 (Part 2/Sec 8) : 2022 ISO 48-8:2018 ISO 48-8:2018	METHODS OF TEST FOR RUBBER, VULCANIZED OR THERMOPLASTIC PART 2 DETERMINATION OF HARDNESS SECTION 8 APPARENT HARDNESS OF RUBBER-COVERED ROLLERS BY PUSEY AND JONES METHOD		-	Identical under dual numbering
41	IS 3400 (Part 2/Sec 9) : 2022 ISO 48-9:2018 ISO 48-9:2018	METHODS OF TEST FOR RUBBER, VULCANIZED OR THERMOPLASTIC PART 2 DETERMINATION OF HARDNESS SECTION 9 CALIBRATION AND VERIFICATION OF HARDNESS TESTERS		-	Identical under dual numbering
42	IS 3400 (Part 3) : 2021 ISO 4649:2010 ISO 4649:2017	Methods of Test for Vulcanized Rubbers Part 3 Abrasion Resistance using a Rotating Cylindrical Drum Device (Third Revision)		-	Identical under dual numbering
43	IS 3400 (Part 4) : 2012 ISO 188 : 2011 Reviewed In : 2017 ISO 188 : 2011	Methods of test for vulcanized rubber: Part 4 accelerated ageing and heat resistance (Third Revision)	July, 2017	-	Identical under dual numbering
44	IS 3400 (Part 5) : 2022 ISO 36:2020 ISO 36:2020	METHODS OF TEST FOR RUBBER, VULCANIZED OR THERMOPLASTIC PART 5 ADHESION OF RUBBERS TO TEXTILE FABRICS (Fourth Revision)		-	Identical under dual numbering
45	IS 3400 (Part 6) : 2018 ISO 1817 : 2015 ISO 1817:2015	Methods of Test for Vulcanized Rubbers Part 6 Determination of the Effect of Liquids (Fourth Revision)	-	-	Identical under dual numbering
46	IS 3400 (Part 7) : 2021	Methods of Test for Vulcanized Rubber Part 7: Determination of		-	Identical under dual numbering

	ISO 132 : 2017 ISO 132 : 2017	flex cracking and crack growth De Mattia			
47	IS 3400 (Part 9) : 2020 ISO 2781 : 2018 ISO 2781:2018	Methods of Test for Vulcanized Rubber Part 9 Rubber, Vulcanized or Thermoplastic — Determination of Density (Fourth Revision)	-	-	Identical under dual numbering
48	IS 3400 (Part 10/Sec 1) : 2022 ISO 815-1:2019 ISO 815-1:2019	METHODS OF TEST FOR RUBBER, VULCANIZED OR THERMOPLASTIC PART 10 COMPRESSION SET SECTION 1 AT AMBIENT OR ELEVATED TEMPERATURES (Third Revision)		-	Identical under dual numbering
49	IS 3400 (Part 10/Sec 2) : 2022 ISO 815-2:2019 ISO 815-2:2019	METHODS OF TEST FOR RUBBER, VULCANIZED OR THERMOPLASTIC PART 10 COMPRESSION SET SECTION 2 AT LOW TEMPERATURES (Third Revision)		-	Identical under dual numbering
50	IS 3400 (Part 11) : 2021 ISO 4662:1978	Methods of Test for Vulcanized Rubber Part 11 Determination of Rebound Resilience (Second Revision)	-	-	Not Equivalent
51	IS 3400 (Part 12) : 2022 ISO 34-1:2015 ISO 34-1:2015	Methods of test for vulcanized rubbers: Part 12 Tear strength- crescent test piece First Revision		-	Identical under dual numbering
52	IS 3400 (Part 13) : 2021 ISO 2285 :2013 ISO 2285 :2013	Methods of test for vulcanized rubbers: Part 13 Tension Set Second Revision		-	Identical under dual numbering
53	IS 3400 (Part 14/Sec 1) : 2021 ISO 813:2016 ISO 813:2016	Methods of test for Vulcanized Rubbers: Part 14 Adhesion of Rubber to Rigid Substrate Section 1 90 peel method Second Revision		-	Identical under dual numbering
54	IS 3400 (Part 14/Sec 2) : 2021 ISO 814 :2017 ISO 814 :2017	Methods of test for Vulcanized Rubbers: Part 14 Adhesion of Rubber to Metal Section 2 Two- plate method Second Revision		-	Identical under dual numbering
55	IS 3400 (Part 14/Sec 3) : 2020 ISO 5600 : 2017 ISO 5600 :2017	Methods of Test for Vulcanized Rubbers Part 14 Adhesion of Rubber to Rigid Material Section 3 Using conical shaped parts (Second Revision)		-	Identical under dual numbering
56	IS 3400 (Part 15) : 2022 ISO 14309:2019 ISO 14309:2019	METHODS OF TEST FOR RUBBER, VULCANIZED OR THERMOPLASTIC PART 15 DETERMINATION OF VOLUME AND/OR SURFACE RESISTIVITY (First Revision)		-	Identical under dual numbering
57	IS 3400 (Part 16) : 1974 Reviewed In : 2017 ASTM D 1052	Methods of test for vulcanized rubbers: Part xvi measurement of cut growth of rubber by the use of the ross flexing machine	July, 2017	-	Not Equivalent
58	IS 3400 (Part 18) : 2021 ISO 1432 : 2013 ISO 1432 : 2013	Methods of Test for Vulcanized Rubbers - Part 18 : Stiffness at Low Temperature Gehman Test(Second Revision)		-	Identical under dual numbering
59	IS 3400 (Part 19) :	Methods of Test for Vulcanized	-	-	Identical under dual

	2020 ISO 2782-1 : 2016 ISO 2782-1:2016	Rubbers Part 19 Permeability to Gases (Constant Volume Method) (First Revision)			numbering
60	IS 3400 (Part 20) : 2018 ISO 1431-1 : 2012 ISO 1431-1:2012	Methods of Test for Vulcanized Rubbers - Part 20 : Resistance to Ozone Cracking - Static Strain Test (Second Revision)	-	-	Identical under dual numbering
61	IS 3400 (Part 21) : 2020 ISO 2782-2 : 2018 ISO 2782-2:2018	Methods of Test for Vulcanized Rubbers Part 21 Permeability to Gases — Constant Pressure Method (First Revision)	-	-	Identical under dual numbering
62	IS 3400 (Part 22) : 1984 Reviewed In : 2019 ASTM D 297	Methods of test for vulcanized rubber: Part 22 chemical analysis	January, 2019	-	Not Equivalent
63	IS 3400 (Part 23/Sec 2) : 2018 ISO 7619-2 : 2010 ISO 7619-2:2010	Methods of test for vulcanized rubbers: Part 23 rubber - Determination of indentation hardness by means of pocket hardness meters section 2 irhd pocket meter method (First Revision)		-	Identical under dual numbering
64	IS 3400 (Part 24) : 2021 ISO 8033 : 2016 ISO 8033 : 2016	Methods for Test for Volcanized Rubbers - Part 24 Rubber and Plastics Hose - Determination of Adhesion Between Components		-	Identical under dual numbering
65	IS 3400 (Part 25) : 2022 ISO 812 : 2017 ISO 812 : 2017	METHODS OF TEST FOR RUBBER, VULCANIZED OR THERMOPLASTIC PART 25 DETERMINATION OF LOW-TEMPERATURE BRITTLINESS (First Revision)		-	Identical under dual numbering
66	IS 3400 (Part 26) : 2019 ISO 1827 : 2016 ISO 1827:2016	Methods of test for vulcanized rubbers: Part 26 determination of shear modulus and adhesion to rigid plates - Quadruple - Shear methods		-	Identical under dual numbering
67	IS 3400 (Part 27) : 2019 ISO 1431-3 : 2007 Reviewed In : 2024 ISO 1431-3:2017	Methods of test for vulcanized rubbers: Part 27 resistance to ozone cracking - Reference and alternative methods for determining the ozone concentration in laboratory test chambers	March, 2024	-	Identical under dual numbering
68	IS 3400 (Part 28) : 2022 ISO 3384-1:2019 ISO 3384-1:2019	METHODS OF TEST FOR RUBBER, VULCANIZED OR THERMOPLASTIC PART 28 DETERMINATION OF STRESS RELAXATION IN COMPRESSION $i_{i}^{1/2}$ TESTING AT CONSTANT TEMPERATURE (First Revision)		-	Identical under dual numbering
69	IS 3400 (Part 29) : 2022 ISO 6914:2021 ISO 6914:2021	METHODS OF TEST FOR RUBBER, VULCANIZED OR THERMOPLASTIC PART 29 DETERMINATION OF AGEING CHARACTERISTICS BY MEASUREMENT OF STRESS		-	Identical under dual numbering

		RELAXATION IN TENSION (First Revision)			
70	IS 3660 (Part 1) : 1999 Reviewed In : 2019 ISO 249:2014	Methods of test for natural rubber - Part 1 : determination of dirt (Third Revision)	January, 2019	2	Not Equivalent
71	IS 3660 (Part 2) : 1985 Reviewed In : 2019 ISO 248-1,ISO 248-2	Methods of test for natural rubber - Part 2 : determination of volatile matter (Second Revision)	January, 2019	1	Not Equivalent
72	IS 3660 (Part 4) : 2017 ISO 8053 : 1995 ISO 8053:1995	Methods of test for natural rubber: Part 4 determination of total copper - Photometric method [nr : 4] (Third Revision)		-	Identical under dual numbering
73	IS 3660 (Part 5) : 1989 Reviewed In : 2019 ISO 7780:1998	Methods of test for natural rubber: Part 5 determination of manganese (Nr:5) (Second Revision)	January, 2019	-	Not Equivalent
74	IS 3660 (Part 6) : 1988 Reviewed In : 2019 ISO 5945:1982	Methods of test for natural rubber: Part 6 determination of rubber hydrocarbon [nr:7} (Second Revision)	January, 2019	-	Not Equivalent
75	IS 3660 (Part 7) : 2013 ISO 289-1:2005 Reviewed In : 2019 ISO 289-1:2005	Methods of Test for Natural Rubber Part 7 : Determination of Mooney Viscosity	January, 2019	-	Identical under dual numbering
76	IS 3660 (Part 8) : 2023 ISO 2393:2014 ISO 2393:2014	METHODS OF TEST FOR NATURAL RUBBER PART 8 RUBBER TEST MIXES PREPARATION MIXING AND VULCANIZATION EQUIPMENT AND PROCEDURES NR : 9 Third Revision of IS 3600 Part 8		-	Identical under dual numbering
77	IS 3660 (Part 9) : 2016 ISO 1407 : 2011 Reviewed In : 2021 ISO 1407 : 2011	Methods of test for natural rubber: Part 9 determination of solvent extract [nr : 10] (Second Revision)	April, 2021	-	Identical under dual numbering
78	IS 3660 (Part 10) : 2000 Reviewed In : 2019 ISO 1656:1996	Methods of test for natural rubber: Part 10 determination of nitrogen content [nr:11] (First Revision)	January, 2019	-	Not Equivalent
79	IS 3660 (Part 11) : 2021 ISO 2007:2007 ISO 4662 : 2017	Methods of Test for Natural Rubber - Part 11 : Determination of Plasticity		-	Identical under dual numbering
80	IS 3660 (Part 12) : 2022 ISO 2930:2017 ISO 2930:2017	METHODS OF TEST FOR NATURAL RUBBER PART 12 DETERMINATION OF PLASTICITY RETENTION INDEX PRI NR : 13 Third Revision		-	Identical under dual numbering
81	IS 3660 (Part 13) : 2023 ISO 4660:2020 ISO 4660:2020	METHODS OF TEST FOR NATURAL RUBBER PART 13 DETERMINATION OF COLOUR NR : 14 Second Revision of		-	Identical under dual numbering

		IS3660 Part 13			
82	IS 3708 (Part 1) : 2013 ISO 126:2005 Reviewed In : 2024 ISO 126:2005	Methods of test for natural rubber latex: Part 1 determination of dry rubber content [nrl : 1] (Second Revision)	February, 2024	-	Identical under dual numbering
83	IS 3708 (Part 2) : 2024 2005:2014 2005:2014	NATURAL RUBBER LATEX- METHODS OF TEST PART 2 DETERMINATION OF SLUDGE CONTENT (Second Revision)		-	Identical under dual numbering
84	IS 3708 (Part 2) : 1985 Reviewed In : 2019 2005:2014	Methods of test for natural rubber latex: Part 2 determination of sludge content (First Revision)	January, 2019	-	Identical under dual numbering
85	IS 3708 (Part 3) : 2018 ISO 705 : 2015 ISO 705:2015	Methods of test for natural rubber latex: Part 3 determination of density (Second Revision)		-	Identical under dual numbering
86	IS 3708 (Part 4) : 2023 ISO 125:2020 ISO 125:2020	METHODS OF TEST FOR NATURAL RUBBER LATEX PART 4 NATURAL RUBBER LATEX CONCENTRATE DETERMINATION OF ALKALINITY Fourth Revision		-	Identical under dual numbering
87	IS 3708 (Part 5) : 2022 ISO 127:2018 ISO 127:2018	METHODS OF TEST FOR NATURAL RUBBER LATEX PART 5 DETERMINATION OF KOH NUMBER Fourth Revision		-	Identical under dual numbering
88	IS 3708 (Part 6) : 1985 Reviewed In : 2019 ISO 35:2004	Methods of test for natural rubber latex: Part 6 determination of mechanical stability (First Revision)	January, 2019	-	Not Equivalent
89	IS 3708 (Part 7) : 2022 ISO 506:2020 ISO 506:2020	METHODS OF TEST FOR NATURAL RUBBER LATEX PART 7 DETERMINATION OF VOLATILE FATTY ACID NUMBER Third Revision		-	Identical under dual numbering
90	IS 3708 (Part 8) : 2018 ISO 1656 : 2014 ISO 1656:2014	Methods of test for natural rubber latex: Part 8 rubber, raw natural and rubber latex, natural - Determination of nitrogen content (Third Revision)		-	Identical under dual numbering
91	IS 3708 (Part 9) : 2018 ISO 247 : 2006 ISO 247:2006	Methods of test for natural rubber latex: Part 9 determination of total ash (Third Revision)		-	Identical under dual numbering
92	IS 3708 (Part 10) : 2023 ISO 1802:1992 ISO 1802:1992	METHODS OF TEST FOR NATURAL RUBBER LATEX PART 10 NATURAL RUBBER LATEX CONCENTRATE DETERMINATION OF BORIC ACID CONTENT		-	Identical under dual numbering
93	IS 3708 (Part 11) : 2001 Reviewed In : 2017	Methods of test for natural rubber latex: Part 11 determination of magnesium (Direct Titration Method) [nrl:18] (Second Revision)	July, 2017	-	Indigenous
94	IS 433 (Part 7) : 2022	METHODS OF TEST FOR RUBBER AND PLASTICS		-	Identical under dual numbering

	ISO 8033:2016 ISO 8033:2016	TUBING HOSES AND HOSE ASSEMBLIES PART 7 RUBBER AND PLASTICS HOSES DETERMINATION OF ADHESION BETWEEN COMPONENTS			
95	IS 443 : 2022 ISO 7326:2016 ISO 7326:2016	METHODS OF TEST FOR RUBBER AND PLASTICS $i_c/2$ TUBING, HOSES AND HOSE ASSEMBLIES PART 1 RUBBER AND PLASTICS HOSES $i_c/2$ ASSESSMENT OF OZONE RESISTANCE UNDER STATIC CONDITIONS (Fourth Revision)		-	Identical under dual numbering
96	IS 443 (Part 2) : 2023 6801:2021 6801:2021	METHODS OF TEST FOR RUBBER AND PLASTICS TUBING HOSES AND HOSE ASSEMBLIES PART 2 RUBBER AND PLASTICS HOSES DETERMINATION OF VOLUMETRIC EXPANSION		-	Identical under dual numbering
97	IS 443 (Part 3) : 2023 1402:2021 1402:2021	METHODS OF TEST FOR RUBBER AND PLASTICS TUBING HOSES AND HOSE ASSEMBLIES PART 3 RUBBER AND PLASTICS HOSES AND HOSE ASSEMBLIES HYDROSTATIC TESTING		-	Identical under dual numbering
98	IS 443 (Part 4) : 2022 ISO 8031:2020 ISO 8031:2020	METHODS OF TEST FOR RUBBER AND PLASTICS $i_c/2$ TUBING, HOSES AND HOSE ASSEMBLIES PART 4 RUBBER AND PLASTICS HOSES AND HOSE ASSEMBLIES $i_c/2$ DETERMINATION OF ELECTRICAL RESISTANCE AND CONDUCTIVITY (Fourth Revision)		-	Identical under dual numbering
99	IS 443 (Part 5) : 2022 7662:1988 7662:1988	METHODS OF TEST FOR RUBBER AND PLASTICS TUBING HOSES AND HOSE ASSEMBLIES PART 5 RUBBER AND PLASTICS HOSES DETERMINATION OF ABRASION OF LINING First Revision		-	Identical under dual numbering
100	IS 443 (Part 6) : 2022 6803 : 2017 6803 : 2017	METHODS OF TEST FOR RUBBER AND PLASTICS TUBING HOSES AND HOSE ASSEMBLIES PART 6 RUBBER AND PLASTICS HOSES AND HOSE ASSEMBLIES HYDRAULIC PRESSURE IMPULSE TEST WITHOUT FLEXING First Revision		-	Identical under dual numbering
101	IS 443 (Part 8) : 2023 4671:2022 4671:2022	METHODS OF TEST FOR RUBBER AND PLASTICS TUBING HOSES AND HOSE ASSEMBLIES PART 8 RUBBER		-	Identical under dual numbering

		AND PLASTICS HOSES AND HOSE ASSEMBLIES METHODS OF MEASUREMENT OF THE DIMENSIONS OF HOSES AND THE LENGTHS OF HOSE ASSEMBLIES ISO 4671 : 2022 IDT			
102	IS 443 (Part 9) : 2023 7233:2021 7233:2021	METHODS OF TEST FOR RUBBER AND PLASTICS TUBING HOSES AND HOSE ASSEMBLIES PART 9 RUBBER AND PLASTICS HOSES AND HOSE ASSEMBLIES DETERMINATION OF RESISTANCE TO VACUUM ISO 7233 : 2021 IDT		-	Identical under dual numbering
103	IS 443 (Part 10) : 2023 10619-1:2017 10619-1:2017	METHODS OF TEST FOR RUBBER AND PLASTICS TUBING HOSES AND HOSE ASSEMBLIES PART 10 RUBBER AND PLASTICS HOSES AND TUBING MEASUREMENT OF FLEXIBILITY AND STIFFNESS BENDING TESTS AT AMBIENT TEMPERATURE ISO 10619-1 : 2017 IDT		-	Identical under dual numbering
104	IS 443 (Part 11) : 2023 10619-2:2021 10619-2:2021	METHODS OF TEST FOR RUBBER AND PLASTICS TUBING HOSES AND HOSE ASSEMBLIES PART 11 RUBBER AND PLASTICS HOSES AND TUBING MEASUREMENT OF FLEXIBILITY AND STIFFNESS BENDING TESTS AT SUB-AMBIENT TEMPERATURES ISO 10619-2 : 2021 IDT		-	Identical under dual numbering
105	IS 4511 (Part 1) : 1986 Reviewed In : 2019	Methods of test for styrene - Butadiene rubber (Sbr) latices: Part 1 determination of dry polymer content sbrl : 1 (First Revision)	January, 2019	-	Indigenous
106	IS 4511 (Part 2) : 1986 Reviewed In : 2019	Methods of test for styrene - Butadiene rubber (Sbr) latices: Part 2 determination of density sbrl:6 (First Revision)	January, 2019	-	Indigenous
107	IS 4511 (Part 3) : 1987 Reviewed In : 2019 ISO 2008:1980	Methods of test for styrene - Butadiene rubber (Sbr) latices: Part 3 determination of volatile unsaturates [sbrl:8] (First Revision)	January, 2019	-	Not Equivalent
108	IS 4511 (Part 4) : 2023 ISO 3136:1983 ISO 3136:1983	Methods of test for Styrene Butadiene Rubber SBR Latices Part 4 Determination of bound Styrene		-	Identical under dual numbering
109	IS 4511 (Part 5) : 2005 ISO 7781 Reviewed In : 2019 ISO 7781	Method of test for styrene - Butadiene rubber (Sbr), latices: Part 5 determination of soap and organic - Acid content (Second Revision)	January, 2019	-	Identical under dual numbering

110	IS 4511 (Part 6) : 1987 Reviewed In : 2019 ISO 2006-1:2009	Methods of test for styrene - Butadiene rubber (Sbr) latices: Part 6 determination of high - Speed mechanical stability	January, 2019	-	Not Equivalent
111	IS 4518 (Part 1) : 1967 Reviewed In : 2019 ASTM D1416:1989	Methods of tests for styrene - Butadiene rubbers (Sbr): Part 1 determination of volatile matter, total ash, organic acid, soap, antioxidants, bound styrene and mooney viscosity	January, 2019	-	Not Equivalent
112	IS 4518 (Part 2) : 1971 Reviewed In : 2019 ASTM D 1416	Methods of test for styrene - Butadiene rubbers: Part ii determination of solvent extract and oil content	January, 2019	-	Not Equivalent
113	IS 5599 : 1999 Reviewed In : 2019 ISO 1795	Rubber - Raw, natural and synthetic - Methods for sampling and sample preparation (First Revision)	January, 2019	-	Not Equivalent
114	IS 6306 : 1971 Reviewed In : 2019	Methods of test for reclaimed rubber	January, 2019	2	Indigenous
115	IS 7086 (Part 1) : 1973 Reviewed In : 2017	Methods of sampling and test for rubber compounding ingredients, : Part 1	July, 2017	1	Indigenous
116	IS 7498 : 1985 Reviewed In : 2017	Methods of sampling and test for carbon black (First Revision)	July, 2017	-	Indigenous
117	IS 7499 : 2023 1658:2022 1658:2022	NATURAL RUBBER NR - EVALUATION PROCEDURE (Third Revision)		-	Identical under dual numbering
118	IS 7888 : 1976 Reviewed In : 2019 ASTM D1565, BS 3667 P-1 and P-2 , BS 3667 P-3 and P-10,	Methods of test for flexible polyurethane foam	January, 2019	-	Not Equivalent
119	IS 8683 : 1977 Reviewed In : 2019 ISO 247, ISO 289, ISO 1407	Methods of test for raw acrylonitrile butadiene rubber	January, 2019	-	Not Equivalent
120	IS 9316 (Part 1) : 2023 1409:2020 1409:2020	METHODS OF TEST FOR RUBBER LATEX PART 1 DETERMINATION OF SURFACE TENSION RL : 1 ISO 1409:2020 IDT		-	Identical under dual numbering
121	IS 9316 (Part 2) : 1987 Reviewed In : 2019 ISO 1652:2011	Methods of test for rubber latex : Part 2 determination of viscosity (RI:2) (First Revision)	January, 2019	1	Identical under dual numbering
122	IS 9316 (Part 2) : 2024 ISO 1652:2011 ISO 1652:2011	RUBBER LATEX $i_{1/2}$ METHODS OF TEST PART 2 DETERMINATION OF VISCOSITY (Second Revision)		-	Identical under dual numbering
123	IS 9316 (Part 3) : 1987 Reviewed In : 2019 ISO 706:1985	Methods of test for rubber latex : Part 3 determination of coagulum content (Sieve Residue) [rl:3] (First Revision)	January, 2019	1	Not Equivalent
124	IS 9316 (Part 4) : 2023 124:2014 124:2014	METHODS OF TEST FOR RUBBER LATEX PART 4 DETERMINATION OF TOTAL SOLIDS CONTENT RL : 4 ISO 124:2014 IDT		-	Identical under dual numbering
125	IS 9316 (Part 5) :	Methods of test for rubber latex:	February, 2024	-	Identical under dual

	2013 ISO 123:2001 Reviewed In : 2024 ISO 123:2001	Part 5 drawing of samples [rl : 5] (Second Revision)			numbering
126	IS 9316 (Part 6) : 2017 ISO 976 : 2013 ISO 976:2013	Methods of test for rubber latex: Part 6 determination of pH [rl : 6] (Second Revision)		-	Identical under dual numbering
127	IS 9316 (Part 7) : 1987 Reviewed In : 2019 ISO/R 1654:1971	Methods of test for rubber latex: Part 7 determination of total copper [rl:7]	January, 2019	-	Not Equivalent
128	IS 9316 (Part 8) : 2023 1657:1986 1657:1986	METHODS OF TEST FOR RUBBER LATEX PART 8 DETERMINATION OF TOTAL IRON ISO 1657:1986 IDT		-	Identical under dual numbering
129	IS 9316 (Part 9) : 1987 Reviewed In : 2019 ISO 1655:1975	Methods of test for rubber latex: Part 9 determination of total manganese [rl:9]	January, 2019	-	Not Equivalent

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	PCD 29 (24828)	METHODS OF TEST FOR VULCANIZED RUBBERS PART 20 RESISTANCE TO OZONE CRACKING STATIC STRAIN TEST
2	PCD 29 (24829)	METHODS OF TEST FOR VULCANIZED RUBBERS PART 26 DETERMINATION OF SHEAR MODULUS AND ADHESION TO RIGID PLATES QUADRUPLE-SHEAR METHODS
3	PCD 29 (24833)	STYRENE-BUTADIENE RUBBER SBR EMULSION AND SOLUTION-POLYMERIZED TYPES EVALUATION PROCEDURES
4	PCD 29 (24834)	RECLAIMED RUBBER DERIVED FROM PRODUCTS CONTAINING MAINLY NATURAL RUBBER EVALUATION PROCEDURE
5	PCD 29 (24835)	RECLAIMED ISOBUTENE-ISOPRENE IIR RUBBER EVALUATION PROCEDURE

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
1	PCD 29 (22802)	STYRENE BUTADIENE RUBBER METHODS OF TEST PART 4 DETERMINATION OF THE MICROSTRUCTURE OF SOLUTION-POLYMERIZED SBR Section 1 1H-NMR AND IR WITH CAST-FILM METHOD
2	PCD 29 (22803)	STYRENE BUTADIENE RUBBERS METHODS OF TEST PART 4 DETERMINATION OF THE MICROSTRUCTURE OF SOLUTION-POLYMERIZED SBR Section 2 FTIR WITH ATR METHOD
3	PCD 29 (22805) Revision of: IS 3708:1985	METHODS OF TEST FOR NATURAL RUBBER LATEX PART 6 DETERMINATION OF MECHANICAL STABILITY second revision
4	PCD 29 (22807)	STYRENE BUTADIENE RUBBERS METHODS OF TEST PART 3 DETERMINATION OF BOUND STYRENE CONTENT REFRACTIVE INDEX METHOD
5	PCD 29 (22871)	Methods of Test for Rubber Part 2 Determination of styrene content Nitration method

Total Published Standards:124 Total Standards Under development:10

Aspect Wise Report

Product : 0
 Code of Practices : 0
 Methods of Test : 125
 Terminology : 0
 Dimensions : 1
 System Standard : 0
 Safety Standard : 0
 Others : 1
 Service Specification : 0
 Process Specification : 0
 Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

Sl. No.	IS No. & Year	Title
1	IS 12656 : 2014 ISO 10619-1 : 2011 Reviewed In : 2019 ISO 10619-1 : 2011	Rubber or plastics hoses and tubing - Bending tests First Revision
2	IS 12657 : 2014 ISO10619-2 : 2011 Reviewed In : 2019 ISO 10619-2 : 2011	Rubber and plastics hoses - Subambient temperature flexibility tests First Revision
3	IS 15913 : 2011 Reviewed In : 2021 ISO 4671:2007	Rubber and plastics hoses and hose assemblies - Methods of measurement of the dimensions of hoses and the lengths of hose assemblies
4	IS 16209 : 2014 ISO 7233 : 2006 Reviewed In : 2019 ISO 7233 : 2006	Rubber and plastics hoses and hose assemblies - Determination of resistance to vacuum
5	IS 3400 (Part 8) : 1983 Reviewed In : 2017	Methods of test for vulcanized rubbers Part 8 resistance to crack - Growth First Revision
6	IS 3400 (Part 10) : 1977 Reviewed In : 2019 ISO 815	Methods of test for vulcanized rubbers Part x compression set at constant strain First Revision
7	IS 3400 (Part 14) : 1984 Reviewed In : 2019 ISO 813,ISO 814,ISO 5600	Methods of test for vulcanized rubbers Part 14 adhesion of rubber to metal First Revision
8	IS 3400 (Part 17) : 1974 Reviewed In : 2019 ASTM D 624	Methods of test for vulcanized rubbers Part xvii tear strength - Angular test piece

9	IS 3400 (Part 23) : 2002 ISO 7619 Reviewed In : 2017	Methods of Test for Vulcanized Rubbers - Part 23 Rubber - Determination of Indentation Hardness by Means of Pocket Hardness Meters
10	IS 3400 (Part 23/Sec 1) : 2018 ISO 7619-1 : 2010 ISO 7619-1:2010	Methods of test for vulcanized rubbers Part 23 rubber - Determination of indentation hardness by means of pocket hardness meters section 1 durometer method Shore Hardness First Revision
11	IS 7016 (Part 1) : 1982 Reviewed In : 2019 ISO 2286:1972	Methods of test for coated and treated fabrics Part 1 determination of roll characteristics First Revision
12	IS 7016 (Part 3) : 1981 Reviewed In : 2019	Methods of test for coated and treated fabrics Part 3 determination of tear strength First Revision
13	IS 7016 (Part 6) : 1984 Reviewed In : 2019 ISO 3303:1979	Methods of test for coated and treated fabrics - Part 6 determination of bursting strength First Revision

Annexure-II :List of Indian Product Standards

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