

DRAFTS IN WIDE CIRCULATION

Ref.	Date
PCD 13/T (1-5)C	26-12-2011

Technical Committee: Rubber and Rubber Products Sectional Committee, PCD 13

Addressed to:

1. All Members of Rubber and Rubber Products Sectional Committee, PCD 13
2. All interested Members of PCDC
3. All others interested.

Dear Sir(s)/Madam(s),

Please find enclosed the following Draft Standards:

Sl.No.	Doc. No.	TITLE
1.	PCD 13(2616)C/ ISO 48 : 2010	Methods of test for vulcanized rubber: Part 2 Rubber, vulcanized or thermoplastic —Determination of hardness (hardness between 10 IRHD and 100 IRHD) [<i>Fourth revision</i> of IS 3400 (part 2)]
2.	PCD 13(2617)C/ ISO 1403 : 2005	Specification for General purpose rubber water hose (<i>Fifth Revision</i> of IS 444)
3.	PCD 13(2618)C/ ISO 2398 : 2006	Specification for Rubber air hose [<i>Fifth Revision</i> of IS 446)
4.	PCD 13(2619)C/ ISO 5772 : 1998	Specification for rubber hose for fuel dispensing (<i>Fourth Revision</i> of IS 2396)
5.	PCD 13(2620)C/ ISO 4641 : 2010	Specification for Water suction and discharge hose of rubber, heavy duty (<i>Second Revision</i> of IS 3549)

Kindly examine the draft standards and forward your views stating any difficulties which you are likely to experience in your business or profession, if these are finally adopted as National Standards. The national foreword of the documents are also hosted on BIS website www.bis.org.in

Last date for comments: 15-02-2012

Comments, if any, may please be made in the format as given overleaf and mailed to the undersigned in the enclosed format.

Thanking you,

Yours faithfully,

Encl.: As above.

Dr. (Mrs.) Vijay Malik
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For obtaining a hard copies of the complete documents please contact/write to:

Head

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BUREAU OF INDIAN STANDARDS

Draft Indian Standard

**SPECIFICATION FOR
WATER SUCTION AND DISCHARGE HOSE OF RUBBER, HEAVY DUTY**
(*Second Revision* of IS 3549)

ICS 23.040.70

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BIS or used as Standard

Last date for receipt of comment is
15-02-2012

NATIONAL FOREWORD

(Formal clauses will be added later)

The text of ISO Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words 'International Standard' appear referring to this standard, they should be read as 'Indian Standard'.
- b) Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this adopted standard reference appears to following International Standards for which Indian Standards also exist. The corresponding Indian Standard, which is to be substituted in its respective place, is listed below along with its degree of equivalence for the edition indicated.

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 37 : 2005 Rubber, vulcanized or thermoplastic — Determination of tensile stress-strain properties	IS 3400(Part 1) Methods of test for vulcanized rubbers: Part 1 Tensile stress-strain properties (<i>third revision</i>) (under print)	Identical
ISO 188:2011 Rubber, vulcanized or thermoplastic — Accelerated ageing and heat resistance tests	IS 3400(Part 4) Rubber, vulcanized or thermoplastic — Accelerated ageing and heat resistance tests (<i>third revision</i>) (under print)	Identical

ISO 1307:2006 Rubber and plastics hoses — Hose sizes, minimum and maximum inside diameters, and tolerances on cut-to-length hoses	Doc. No. PCD13(2452) Rubber and plastic hoses for general purpose industrial applications — Bore diameters and tolerances and tolerances on length (under print)	Identical
ISO 1402:2009 Rubber and plastics hoses and hose assemblies — Hydrostatic testing	Nil	----
ISO 1746:1998 Rubber or plastic hoses and tubing — Bending tests ¹⁾	IS 12656:1989 Rubber or plastics hoses and tubing – Bending tests	Identical
ISO 2393:2008 Rubber test mixes — Preparation, mixing and vulcanization — Equipment and procedures	Nil	----
ISO 4671:2007 Rubber and plastics hoses and hose assemblies — Methods of measurement of the dimensions	Doc. No. PCD 13(2454) Rubber and plastic hoses and hose assemblies — Methods of measurement of the dimensions of hoses and the lengths of hoses assemblies (under print)	Identical
ISO 4672:1997 Rubber and plastics hoses — Sub-ambient temperature flexibility tests ²⁾	IS 12657:1989 Rubber and plastics hoses — Sub-ambient temperature flexibility tests	Identical
ISO 7326:2006 Rubber and plastics hoses — Assessment of ozone resistance under static conditions	Nil	-----
ISO 8033:2006 Rubber and plastics hoses — Determination of adhesion between components	IS 3400(Part 24):2001 Rubber, vulcanized or thermoplastic — Accelerated ageing and heat resistance tests	Identical
ISO 8330:2007 Rubber and plastics hoses and hose assemblies — Vocabulary	Nil	-----

In case of ISO 1402 : 2009, ISO 2393 : 2008, ISO 7326 : 2006 and ISO 8330 : 2007 – the technical committee responsible for the preparation of this standard may consider their use while adoption of ISO standard in dual numbering.

For tropical countries like India, the standard temperature and the relative humidity shall be taken as $27 \pm 2^{\circ}\text{C}$ and 65 ± 5 percent respectively.

In reporting the results of a test or analysis made in accordance with this standard, if the final value, observed or calculated, is to be rounded off, it shall be done in accordance with IS 2:1960 'Rules for rounding off numerical values (*revised*)'.

- 1) Revised as ISO 10619-1.
- 2) Revised as ISO 10619-2.