

**BUREAU OF INDIAN STANDARDS**

**DRAFT FOR COMMENTS ONLY**

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भारतीय मानक मसौदा  
**दंत चिकित्सा — चेयरसाइड डेंचर बेस रीलाइनिंग सामग्री**  
**भाग 1 हार्ड टाइप सामग्री**

*Draft Indian Standard*  
**Dentistry — Chairside Denture Base Relining Materials**  
**Part 1 Hard Type Materials**

ICS 11.060.10

Dentistry Sectional Committee, MHD 08

Last date for comments: 05 April 2024

**NATIONAL FOREWORD**

*(Adoption clause 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:

- Wherever the words 'International Standard' appear referring to this standard, they should be read as 'Indian Standard'
- 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 certain International Standards for which Indian Standards also exist. The corresponding Indian Standards which are to be substituted in their respective places are listed below along with their degree of equivalence for the editions indicated:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 1942, Dentistry Vocabulary	— IS 17895: 2023/ISO 1942: 2020, Dentistry Vocabulary	Identical
ISO 3696:1987, Water for analytical laboratory use Specification and test methods	— IS 1070 : 2023, Reagent grade water - Specification ( <i>Fourth Revision</i> )	Modified

ISO 8601-1, Date and time — Representations for information interchange — Part 1: Basic rules	IS/ISO 8601-1 : 2019, Date and Time Representations For Information Interchange Part 1: Basic Rules	Identical
ISO 20795-1, Dentistry — Base polymers — Part 1: Denture base polymers	IS 6887 (Part 1) : 2018/ISO 20795-1 : 2013, Dentistry — Base Polymers Part 1 Denture Base Polymers ( <i>First Revision</i> )	Identical

The technical committee has reviewed the provisions of the following International Standards referred in this adopted standard and has decided that they are acceptable for use in conjunction with this standard:

<i>International Standard</i>	<i>Title</i>
ISO 4545-1	Metallic materials — Knoop hardness test — Part 1: Test method
ISO 6344-3	Coated abrasives — Determination and designation of grain size distribution — Part 3: Microgrit sizes P240 to P5000

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test shall be rounded off in accordance with IS 2: 2022 'Rules for rounding off numerical values (*second revision*)'.

This standard also makes a reference to the BIS Certification Marking of the product. Details of which is given in National Annex A.

**NATIONAL ANNEX A**  
(National Foreword)

**A-1 BIS CERTIFICATION MARKING**

The product(s) conforming to the requirements of this standard may be certified as per the conformity assessment schemes under the provisions of the *Bureau of Indian Standards Act, 2016* and the Rules and Regulations framed thereunder, and the product(s) may be marked with the Standard Mark.

**Scope**

This document specifies the requirements for acrylic hard type materials used as chairside denture base relining materials and the test methods to determine compliance with these requirements. This document also specifies requirements for packaging and marking the products and for the instructions for use to be supplied by the manufacturer.

Dentures which are relined by chairside denture base relining materials specified by this document are limited to those of acrylic.

This document is not applicable to either denture base relining materials that are for laboratory use or soft lining materials.

NOTE 1 Acrylic hard type materials contain acrylic and methacrylic monomers such as acrylic acid esters and substituted (meth)acrylic acid esters and their polymers.

NOTE 2 Acrylic dentures are made of polymers such as poly (acrylic acid esters), poly (substituted acrylic acid esters) and rubber-modified poly (methacrylic acid esters).

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The technical content of the document has not been enclosed as it is identical with the corresponding ISO standard. For details, please refer to ISO 23401-1:2023 or kindly contact:

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