

# ISO 23401-1:2023-03 (E)

## Dentistry - Chairside denture base relining materials - Part 1: Hard type materials

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
1	Scope .....	1
2	Normative references .....	1
3	Terms and definitions .....	1
4	Classification .....	2
4.1	Types .....	2
4.2	Classes .....	2
5	Requirements .....	2
5.1	Appearance .....	2
5.1.1	Liquid .....	2
5.1.2	Powder, paste and sheet .....	2
5.2	Consistency .....	2
5.3	Peak temperature .....	3
5.4	Porosity and defects .....	3
5.5	Surface finish .....	3
5.6	Water sorption .....	3
5.7	Water solubility .....	3
5.8	Knoop hardness .....	3
6	Test methods .....	3
6.1	Sampling .....	3
6.2	Preparation of test specimens .....	3
6.3	Conditions for testing .....	3
6.4	Visual inspection .....	4
6.4.1	Appearance .....	4
6.4.2	Porosity and defects .....	4
6.4.3	Surface finish .....	4
6.5	Consistency .....	4
6.5.1	Apparatus .....	4
6.5.2	Procedure .....	5
6.6	Peak temperature .....	5
6.6.1	Apparatus .....	5
6.6.2	Procedure .....	5
6.7	Water sorption and solubility .....	6
6.7.1	Materials .....	6
6.7.2	Apparatus .....	6
6.7.3	Preparation of test specimens .....	8
6.7.4	Procedure .....	8
6.7.5	Calculation and expression of results .....	9
6.8	Knoop hardness .....	9
6.8.1	Apparatus .....	9
6.8.2	Preparation of test specimens .....	10
6.8.3	Procedure .....	10
7	Requirement for packaging, marking and instructions supplied by the manufacturer .....	10
7.1	Packaging .....	10
7.2	Marking and manufacturer's instructions for use .....	10
Bibliography .....		12