ISO 23401-1:2023-03 (E)

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

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 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