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Dentistry — Metallic materials for fixed and removable restorations and appliances

*Art dentaire — Matériaux métalliques pour les restaurations fixes et
amovibles et les appareillages*



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Contents

Page

Foreword.....	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions.....	1
4 Classification.....	3
5 Requirements	3
5.1 Chemical composition.....	3
5.2 Hazardous elements	4
5.3 Biocompatibility	4
5.4 Mechanical properties	4
5.5 Density	7
5.6 Corrosion resistance for material integrity.....	7
5.7 Tarnish resistance	8
5.8 Solidus and liquidus temperatures (for alloy) or melting point (for commercially pure metal).....	8
5.9 Thermal expansion coefficient	8
5.10 Information, instructions and marking	8
6 Sampling.....	8
7 Preparation of test specimens	9
7.1 General.....	9
7.2 Heat-treatment.....	9
7.3 Specimens	9
8 Test methods.....	11
8.1 Information, instructions and marking	11
8.2 Chemical composition.....	11
8.3 Mechanical properties	12
8.4 Density	13
8.5 Corrosion resistance	14
8.6 Tarnish resistance (sodium sulfide test).....	15
8.7 Solidus and liquidus temperatures (alloys) or melting point (commercially pure metals).....	16
8.8 Linear thermal expansion	16
9 Information and instructions for use	16
9.1 Information	16
9.2 Processing instructions	17
10 Marking and labelling	17
10.1 Marking	17
10.2 Labelling on the package	18
Annex A (informative) Tensile testing of a non-cast Type 0 metallic material that is intended for use in a thickness between 0,1 mm and 0,5 mm	19
Bibliography	22

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 22674 was prepared by Technical Committee ISO/TC 106, *Dentistry*, Subcommittee SC 2, *Prosthetic materials*.

This first edition cancels and replaces the following composition-derived International Standards: ISO 1562, ISO 6871-1, ISO 6871-2, ISO 8891 and ISO 16744.

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Introduction

Specific qualitative and quantitative requirements for freedom from biological hazard are not included in this International Standard but it is recommended that, in assessing possible biological hazards, reference should be made to ISO 10993-1 and ISO 7405.

Requirements for the performance of metals and alloys used for the metallic component of a metal-ceramic restoration contained in this International Standard supersede such requirements formerly contained in ISO 9693. The requirements for the performance of ceramic material and the metal-ceramic bond in metal-ceramic restorative systems continue to be specified in ISO 9693.

Requirements for the proof stress and minimum elongation after fracture for Type 0 metallic materials are not included in this International Standard, but it is recommended to adopt the test procedure given in Annex A when measuring these properties. Requirements will be included in a revision of this International Standard when information becomes available to Technical Committee ISO/TC 106 Subcommittee 2.