

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION R 1567

DENTURE BASE POLYMER

1st EDITION

June 1970

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BRIEF HISTORY

The ISO Recommendation R 1567, *Denture base polymer*, was drawn up by Technical Committee ISO/TC 106, *Dentistry*, the Secretariat of which is held by the British Standards Institution (BSI).

Work on this question led to the adoption of Draft ISO Recommendation No. 1567, which was circulated to all the ISO Member Bodies for enquiry in December 1968. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies :

Australia	India	Spain
Belgium	Israel	Sweden
Brazil	Korea, Rep. of	U.A.R.
Canada	Netherlands	United Kingdom
Czechoslovakia	New Zealand	U.S.A.
Denmark	Peru	Yugoslavia
France	Poland	
Greece	South Africa, Rep. of	

The following Member Body opposed the approval of the Draft :

Switzerland

This Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided to accept it as an ISO RECOMMENDATION.

DENTURE BASE POLYMER

INTRODUCTION

This ISO Recommendation is technically identical with F.D.I.* Specification No. 3, the only difference being in the wording and layout to bring the text into standard ISO form. Further studies are being undertaken to provide, if necessary, for a future revision of this ISO Recommendation in the light of technological advances supported by well-documented data.

NOTE. — Throughout this ISO Recommendation the figures for SI units are approximate conversions of the technical metric units using the conversion factors $1 \text{ N} = 0.102 \text{ kgf}$ and $1 \text{ MN/m}^2 = 10.2 \text{ kgf/cm}^2$.

1. SCOPE

This ISO Recommendation gives the classification of and requirements for denture base polymer, together with the test methods to be employed to determine compliance with these requirements.

2. FIELD OF APPLICATION

This ISO Recommendation is applicable to the following denture base polymers :

- (a) poly(acrylic acid esters);
- (b) poly(substituted acrylic acid esters);
- (c) poly(vinyl esters);
- (d) polystyrene;
- (e) copolymers or mixtures of the foregoing.

3. CLASSIFICATION

Denture base polymer covered by this ISO Recommendation should be of the following types, classes and colours.

3.1 Type I : Heat-curing polymers

3.1.1 Class 1. Powder and liquid

Colour A — Pink

Colour B — Clear

3.1.2 Class 2. Plastic cake 5 ± 3 mm thick

Colour A — Pink

Colour B — Clear

3.1.3 Class 3. Mouldable blank or powder

Colour A — Pink

Colour B — Clear

* Fédération Dentaire Internationale.