



Revised American National Standard/  
American Dental Association  
**Specification No. 99**

# Athletic Mouth Protectors and Materials

**ADA** American  
Dental  
Association®  
Council on  
Scientific Affairs

**AMERICAN NATIONAL STANDARD/AMERICAN DENTAL ASSOCIATION  
SPECIFICATION NO. 99 FOR ATHLETIC MOUTH PROTECTORS AND MATERIALS**

The Council on Scientific Affairs of the American Dental Association has approved revised American Dental Association Specification No. 99 for Athletic Mouth Protectors and Materials. This and other specifications for dental materials, instruments and equipment are being formulated by working groups of the ADA Standards Committee on Dental Products (formerly Accredited Standards Committee MD156 for Dental Materials, Instruments and Equipment). The Committee has representation from all interests in the United States in the standardization of materials, instruments and equipment in dentistry. The Council has adopted the specifications, showing professional recognition of their usefulness in dentistry, and has forwarded them to the American National Standards Institute with a recommendation that the specifications be approved as American National Standards. The American National Standards Institute granted approval of ADA Specification No. 99 as an American National Standard on May 11, 2001. This standard becomes effective May 11, 2002.

The Council thanks the working group members and the organizations with which they were affiliated at the time the specification was developed:

Robert Craig (Co-chairman), University of Michigan, Ann Arbor, MI; William Godwin (Co-chairman), University of Michigan, Ann Arbor, MI; Cosmo Costaldi, University of Connecticut, West Hartford, CT; Henry Cross III, Murrells Inlet, SC; Doug Murphy, Dental Resources, Inc., Delano, MN; Dennis Ranalli, University of Pittsburgh, Pittsburgh, PA; Mark Schneider, Worldwide Dental, Inc., Clearwater, FL; and Rex Thompson, University of Michigan, Ann Arbor, MI.

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**FOREWORD**

(This foreword is not a part of the ANSI/ADA Specification No. 99 for Athletic Mouth Protectors and Materials).

The ADA Standards Committee on Dental Products is sponsored by the American Dental Association. The ADA SCDP coordinates efforts toward drafting, review, and approval of dental products specifications in the United States.

The final structure of this edition of ANSI/ADA Specification No. 99 for Athletic Mouth Protectors and Materials was recommended by Subcommittee 2: Prosthodontic Materials, Working Group on Athletic Mouth Protectors.

**Additional note to the Foreword for this Reaffirmation:**

In 2012, the ADA Standards Committee on Dental Products approved a change in the terminology used for standards. ADA standards will no longer utilize the term Specification; standards will now be named as ADA Standards.

With this notice, this ADA Specification is now termed an ADA Standard. Where the term "specification" is used, it should be considered as "standard." It will be re-named as an ADA Standard in its next revision.

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**AMERICAN NATIONAL STANDARD/AMERICAN DENTAL ASSOCIATION  
SPECIFICATION NO. 99 FOR ATHLETIC MOUTH PROTECTORS AND MATERIALS****1. SCOPE AND CLASSIFICATION****1.1 Scope**

This specification is for thermoplastic or thermosetting polymeric materials, with or without a polymeric shell, that are capable of being formed into an athletic mouth protector, either on a model of the teeth or in the mouth directly on the teeth. It lists the types and classes of mouth protectors and lists requirements for physical properties along with tests specified for determining compliance with those requirements. It also specifies requirements for manufacturer's instructions and for packaging, labeling, and marking.

**1.2 Types**

Mouth protectors covered by the specification shall be of the following types and classes:

Type I. Stock

Type II. Mouth-formed

Class 1. Thermoplastic

Class 2. Chemical setting

Type III. Custom

Class 1. Vacuum-formed

Class 2. Model-formed

**2. NORMATIVE REFERENCES**

The following standards contain provisions, which, through reference in this text, constitute provisions of this specification. At the time of publication the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this specification are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below.

**2.1 ASTM Standards**

ASTM D624, Test for tear resistance of rubber

ASTM D2240, Test for indentation hardness of rubber and plastics by means of a durometer

(ASTM Standards are available from the American Society of Testing and Materials, 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428).

**2.2 ANSI/ADA Standards**

ANSI/ADA Specification No. 12, Denture base Resins

ANSI/ADA Specification No. 20, Dental Duplicating Material

ANSI/ADA Document 41 and Addendum 41a, Recommended Standard Practices for Biological Evaluation of Dental Materials.

(ANSI/ADA Specifications and Documents are available from the American Dental Association, 200 East Chicago Avenue, Chicago, IL 60611).