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(A Triennial Publication)

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Ferrous Metals

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FOREWORD

The Book of ASTM Standards, of which this is the 1952 edition, is a triennial publication, with Supplements issued in the intervening years. It contains the formally adopted ASTM Standards and the ASTM Tentative Specifications, Methods of Test, and Definitions.

Prior to this edition, the Book of Standards was issued in six parts. Today, with the extension of Society work into new fields, the 1952 edition of the Book of Standards comprises over 10,000 pages. To make this amount of material available in books of convenient size and not too bulky and heavy for binding, it was decided to print the standards on Bible paper and to publish the 1952 Book of Standards in seven parts, as follows:

Part 1—Ferrous Metals

Part 2—Non-Ferrous Metals

Part 3—Cementitious Materials, Refractories, Glass, Ceramics, Thermal Insulation, Concrete, Mortar, Stone, Building Units, Road Materials, Waterproofing, Roofing, Soils

Part 4—Paint, Naval Stores, Wood, Structural Sandwich Constructions, Building Constructions, Fire Tests

Part 5—Petroleum Products, Fuels, Industrial Aromatic Hydrocarbons, Engine Antifreezes

Part 6—Rubber, Plastics, Electrical Insulation

Part 7—Textiles, Soap, Water, Paper, Shipping Containers, Adhesives

In these seven parts are included the 1892 ASTM Standards and Tentatives in effect at the time of publication, exclusive of the 38 ASTM Methods of Chemical Analysis of Metals which appear in a separate publication bearing that title.

The annual Supplements to each part issued in the succeeding years will contain the newly adopted or revised Standards and new or revised Tentatives. These Supplements should be consulted for changes in status and for current revisions of Standards and Tentatives. The combined Index to ASTM Standards, issued annually, will also be helpful in this connection and in locating any desired standard.

Standards comprise those specifications and methods of test that have been formally adopted by the Society, requiring a letter ballot approval by the entire membership.

Tentatives have been approved by the sponsoring committee as representing the latest thoughts and practices and have been accepted by the Society in accordance with established procedures for use pending adoption as standard.

In accordance with Society regulations, standards that have been published for a period of six years or more without revision have been reviewed by the responsible technical committees prior to the appearance of the Book and have been reapproved in their present form.

Tentative Revisions appear at the end of the standard to which they apply. A list of the tentative revisions that apply to the standards in this book appears on p. xix. The Supplements to be issued in 1953 and 1954 should be consulted for revisions or change in status of any of these tentative revisions.

Emergency Alternate Provisions are intended for use during the period of National Emergency where they may be considered as a permissible alternate by the purchaser of the material for the specific application or use desired. The Emergency Alternate Provisions applying to the standards in this part of the Book of Standards appear in a separate section on pink colored stock, beginning on page 513.

The appearance of this Book is a tribute to the sincere efforts of the technical committees responsible for the development and review of the standards, and of the many individuals serving on the committees. The Society's time-tested standardization procedure provides for adequate representation on technical committees of producers and consumers and those having a general interest in the material or subject in question. Opportunity is provided during the period of promulgation for full consideration by all interested parties through publication as tentative before adoption as standard. As developments and advances take place, requirements are suitably revised.

GUIDE TO THE USE OF THE BOOK OF STANDARDS

THE standards in this Book are assembled in a sequence determined by the specific materials or products to which they apply. The Table of Contents in each part is presented in duplicate—one a list of the standards classified according to the materials covered, the other a list of the standards in numeric sequence of their serial designations.

Emergency Alternate Provisions applying to the standards in this book appear in the pink colored insert section beginning on page 513.

A subject index of the standards and tentatives in this part appears at the back of this volume (see page 1545). This index should be the most convenient means of locating any standard appearing in the volume, especially if only the general subject matter covered is known.

A separate combined Index, covering all standards and tentatives in the seven parts of the Book of ASTM Standards, in the annual Supplements thereto, and in the Book of ASTM Methods of Chemical Analysis of Metals, is also issued annually, which should be of convenience to all users of the Book of Standards. The combined Index will be revised annually to incorporate the latest references to the standards, whether they appear in the Book of Standards or in the 1953 or 1954 Supplements. This Index should be of convenience to all users of ASTM standards.

A numeric list with complete titles of the current standards and tentatives also appears with this Index.

Comments or suggestions intended to improve the utility of the Book of Standards will be welcome.

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In the following listing, the standards and tentatives are grouped according to materials to which they apply.

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Tentative Revisions of Standards appear at the end of the Standards to which they apply.

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