



Designation: **B698—10 B698/B698M – 10 (Reapproved 2016)^{ε1}**

Standard Classification for Seamless Copper and Copper Alloy Plumbing Pipe and Tube¹

This standard is issued under the fixed designation ~~B698~~B698/B698M; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

^{ε1} NOTE—Designation changed to dual and units of measure statement was inserted in 1.5 editorially in November 2016.

1. Scope*

1.1 This classification covers various types of seamless copper and copper alloy² pipe and tube used for water service, distribution, and drainage. It is not a specification for the various types and alloys.

1.2 This classification uses the standard copper designations developed and used by the copper industry.

1.3 This classification makes no attempt to differentiate between all compositions that could be termed coppers or copper alloys, but, in conformance with general practice in the trade, includes those coppers and copper alloys commonly used in the manufacture of water service, distribution, and drainage pipe and tube.

1.4 This classification makes no attempt to differentiate between all applications of seamless copper and copper alloy piping and tube intended for use in water service distribution and drainage.

1.5 The values stated in either SI units or inch-pound units are to be regarded separately as standard. The values stated in each system may not be exact equivalents; therefore, each system shall be used independently of the other. Combining values from the two systems may result in non-conformance with the standard.

2. Referenced Documents

2.1 *ASTM Standards*:³

B42 Specification for Seamless Copper Pipe, Standard Sizes

B43 Specification for Seamless Red Brass Pipe, Standard Sizes

B88 Specification for Seamless Copper Water Tube

B88M Specification for Seamless Copper Water Tube (Metric)

B302 Specification for Threadless Copper Pipe, Standard Sizes

B306 Specification for Copper Drainage Tube (DWV)

B846 Terminology for Copper and Copper Alloys

E527 Practice for Numbering Metals and Alloys in the Unified Numbering System (UNS)

3. Terminology

3.1 *Definitions*—For definitions of terms related to copper and copper alloys, including types of tube and pipe, refer to Terminology B846.

4. Significance and Use

4.1 This classification is provided to serve the needs of designers, specifiers, installers, and users of seamless copper and copper alloy plumbing tube and piping systems. It familiarizes them with the products available for such systems, giving size ranges and available materials for products listed herein. Also refer to Section 1.

¹ This classification is under the jurisdiction of ASTM Committee B05 on Copper and Copper Alloys and is the direct responsibility of Subcommittee B05.04 on Pipe and Tube.

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² The UNS system for copper and copper alloys (see Practice E527) is a simple expansion of the former standard designation system accomplished by the addition of a prefix “C” and a suffix “00.” The suffix can be used to accommodate composition variations of the base alloy.

³ For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard’s Document Summary page on the ASTM website.

*A Summary of Changes section appears at the end of this standard