



Designation: B 373 – 9500

Standard Specification for Aluminum Foil for Capacitors¹

This standard is issued under the fixed designation B 373; 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.

This standard has been approved for use by agencies of the Department of Defense.

1. Scope*Scope

1.1 This specification covers nine thicknesses (0.00017 to 0.00050 in. (0.0043 to 0.0127 mm)) of annealed aluminum foil used in the manufacture of capacitors.

1.2 Foil to be used as anodes in electrolytic capacitors is beyond the scope of this specification.

1.3 Alloy designations are in accordance with ANSI H35.1. The equivalent Unified Numbering System alloy designations are those of Table 1 preceded by A9, for example, A91145 for Aluminum 1145 in accordance with Practice E 527.

1.4 For acceptance criteria for inclusion of new aluminum and aluminum alloys in this specification, see Annex A1.

1.5 The values stated in inch-pound units are to be regarded as the standard. The values given in parentheses are for information only.

2. Referenced Documents

2.1 The following documents of the issue in effect on the date of material purchase form a part of this specification to the extent referenced herein.

2.2 *ASTM Standards:*

B 193 Test Method for Resistivity of Electrical Conductor Materials²

¹ This specification is under the jurisdiction of ASTM Committee ~~B-7~~ B07 on Light Metals and Alloys and is the direct responsibility of Subcommittee B07.03 on Aluminum Alloy Wrought Products.

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