



Designation: A 34/A34M – 9601

An American National Standard

Standard Practice for Sampling and Procurement Testing of Magnetic Materials¹

This standard is issued under the fixed designation A 34/A34M; 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.

1. Scope

1.1 This practice describes sampling procedures and test practices for determination of various magnetic properties of both soft and hard magnetic materials.

1.2 This practice may be used either in conjunction with, or independent of, the standard test methods and materials specifications under the jurisdiction of ASTM Committee A06. In the former situation, the sampling and testing procedures listed herein shall not supersede those found in the individual test methods and materials specifications. In the latter situation, the sampling and testing procedures listed herein shall strictly apply.

1.3 The values stated in either customary (cgs-emu and inch-pound) units or SI units are to be regarded separately as standard. Within this practice, the standard, SI units are shown in brackets except for the sections concerning calculations where there are separate sections for the respective unit systems; brackets. The values stated in each system are may not be exact equivalents; therefore, each system shall be used independently of the other. Combining values from the two systems may result in nonconformance with this practice-standard.

1.4 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 ASTM Standards:

¹ This practice is under the jurisdiction of ASTM Committee A-6 A06 on Magnetic Properties and is the direct responsibility of Subcommittee A06.01 on Test Methods. Current edition approved Dec. 10, 1996; 2001. Published February 1997; November 2001. Originally published as A 34 – 11. Last previous edition A 34 – 83 (1988) ~~et A 34/A 34M – 96.~~