

ASTM Volume 03.04, Magnetic Properties

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- **A34/A34M-06** Standard Practice for Sampling and Procurement Testing of Magnetic Materials
- **A340-03a(2011) Standard** Terminology of Symbols and Definitions Relating to Magnetic Testing
- **A341/A341M-00(2011)e1** Standard Test Method for Direct Current Magnetic Properties of Materials Using D-C Permeameters and the Ballistic Test Methods
- **A342/A342M-04** Standard Test Methods for Permeability of Feebly Magnetic Materials
- **A343/A343M-03(2008)** Standard Test Method for Alternating-Current Magnetic Properties of Materials at Power Frequencies Using Wattmeter-Ammeter-Voltmeter Method and 25-cm Epstein Test Frame
- **A345-09** Standard Specification for Flat-Rolled Electrical Steels for Magnetic Applications
- **A348/A348M-05(2011)** Standard Test Method for Alternating Current Magnetic Properties of Materials Using the Wattmeter-Ammeter-Voltmeter Method, 100 to 10 000 Hz and 25-cm Epstein Frame
- **A596/A596M-95(2009)e1** Standard Test Method for Direct-Current Magnetic Properties of Materials Using the Ballistic Method and Ring Specimens
- **A598/A598M-02(2007)** Standard Test Method for Magnetic Properties of Magnetic Amplifier Cores
- **A664-11** Standard Practice for Identification of Standard Electrical Steel Grades in ASTM Specifications
- **A677-07** Standard Specification for Nonoriented Electrical Steel Fully Processed Types
- **A683-05(2010)** Standard Specification for Nonoriented Electrical Steel, Semiprocessed Types
- **A697/A697M-03(2008)** Standard Test Method for Alternating Current Magnetic Properties of Laminated Core Specimen Using Voltmeter-Ammeter-Wattmeter Methods
- **A698/A698M-07** Standard Test Method for Magnetic Shield Efficiency in Attenuating Alternating Magnetic Fields
- **A712-07** Standard Test Method for Electrical Resistivity of Soft Magnetic Alloys
- **A717/A717M-06** Standard Test Method for Surface Insulation Resistivity of Single-Strip Specimens
- **A719/A719M-02(2007)** Standard Test Method for Lamination Factor of Magnetic Materials
- **A720/A720M-02(2011)** Standard Test Method for Ductility of Nonoriented Electrical Steel
- **A721/A721M-02(2011)** Standard Test Method for Ductility of Oriented Electrical Steel
- **A726-05(2010)** Standard Specification for Cold-Rolled Magnetic Lamination Quality Steel, Semiprocessed Types
- **A753-08** Standard Specification for Wrought Nickel-Iron Soft Magnetic Alloys (UNS K94490, K94840, N14076, N14080)

- **A772/A772M-00(2011)e1** Standard Test Method for AC Magnetic Permeability of Materials Using Sinusoidal Current
- **A773/A773M-01(2009)** Standard Test Method for dc Magnetic Properties of Materials Using Ring and Permeameter Procedures with dc Electronic Hysteresigraphs
- **A801-09** Standard Specification for Wrought Iron-Cobalt High Magnetic Saturation Alloys (UNS R30005 and K92650)
- **A804/A804M-04(2009)e1** Standard Test Methods for Alternating-Current Magnetic Properties of Materials at Power Frequencies Using Sheet-Type Test Specimens
- **A811-03(2008)** Standard Specification for Soft Magnetic Iron Parts Fabricated by Powder Metallurgy (P/M) Techniques
- **A838-02(2007)** Standard Specification for Free-Machining Ferritic Stainless Soft Magnetic Alloy Bar for Relay Applications
- **A839-02(2008)** Standard Specification for Iron-Phosphorus Powder Metallurgy (P/M) Parts for Soft Magnetic Applications
- **A848-01(2011)** Standard Specification for Low-Carbon Magnetic Iron
- **A867-03(2008)** Standard Specification for Iron-Silicon Relay Steels
- **A876-09** Standard Specification for Flat-Rolled, Grain-Oriented, Silicon-Iron, Electrical Steel, Fully Processed Types
- **A889/A889M-03(2008)** Standard Test Method for Alternating-Current Magnetic Properties of Materials at Low Magnetic Flux Density Using the Voltmeter-Ammeter-Wattmeter-Varmeter Method and 25-cm Epstein Frame
- **A893/A893M-03(2008)** Standard Test Method for Complex Dielectric Constant of Nonmetallic Magnetic Materials at Microwave Frequencies
- **A894/A894M-00(2011)e1** Standard Test Method for Saturation Magnetization or Induction of Nonmetallic Magnetic Materials
- **A900/A900M-01(2006)** Standard Test Method for Lamination Factor of Amorphous Magnetic Strip
- **A901-03(2008)** Standard Specification for Amorphous Magnetic Core Alloys, Semi-Processed Types
- **A904-09** Standard Specification for 50 Nickel-50 Iron Powder Metallurgy Soft Magnetic Parts
- **A912/A912M-11** Standard Test Method for Alternating-Current Magnetic Properties of Amorphous Materials at Power Frequencies Using Wattmeter-Ammeter-Voltmeter Method with Toroidal Specimens
- **A927/A927M-11** Standard Test Method for Alternating-Current Magnetic Properties of Toroidal Core Specimens Using the Voltmeter-Ammeter-Wattmeter Method
- **A932/A932M-01(2006)** Standard Test Method for Alternating-Current Magnetic Properties of Amorphous Materials at Power Frequencies Using Wattmeter-Ammeter-Voltmeter Method with Sheet Specimens
- **A937/A937M-06** Standard Test Method for Determining Interlaminar Resistance of Insulating Coatings Using Two Adjacent Test Surfaces

- **A971/A971M-10** Standard Test Method for Measuring Edge Taper and Crown of Flat-Rolled Electrical Steel Coils
- **A976-03(2008)** Standard Classification of Insulating Coatings by Composition, Relative Insulating Ability and Application
- **A977/A977M-07** Standard Test Method for Magnetic Properties of High-Coercivity Permanent Magnet Materials Using Hysteresigraphs
- **A1009-05(2010)** Standard Specification for Soft Magnetic MnZn Ferrite Core Materials for High Frequency (10 kHz-1 MHz) Power Transformer and Filter Inductor Applications
- **A1013-00(2005)** Standard Test Method for High-Frequency (10 kHz-1 MHz) Core Loss of Soft Magnetic Core Components at Controlled Temperatures Using the Voltmeter-Ammeter-Wattmeter Method
- **A1036-04(2009)** Standard Guide for Measuring Power Frequency Magnetic Properties of Flat-Rolled Electrical Steels Using Small Single Sheet Testers
- **A1054-07** Standard Specification for Sintered Ceramic Ferrite Permanent Magnets
- **A1071/A1071M-11** Standard Test Method for Evaluating Hygrothermal Corrosion Resistance of Permanent Magnet Alloys

Related Materials at ASTM

SI Quick Reference Guide: International System of Units (SI) - The Modern Metric System

Withdrawn Standards

A840 Standard Specification for Fully Processed Magnetic Lamination Steel (Withdrawn 2011)
No Replacement