

Working with Motor, Generator, or Transformer Laminations? These ASTM Standards cover all of the common lamination material specifications, test methods and terms to get you the information you need.

MATERIAL SPECIFICATIONS

A677-16 Standard Specification for Nonoriented Electrical Steel Fully Processed Types

A683-16 Standard Specification for Nonoriented Electrical Steel, Semiprocessed Types

A726-18 Standard Specification for Cold-Rolled Magnetic Lamination Quality Steel, Semiprocessed Types

A753-21 Standard Specification for Wrought Nickel-Iron Soft Magnetic Alloys (UNS K94490, K94840, N14076, N14080)

A801-21 Standard Specification for Wrought Iron-Cobalt High Magnetic Saturation Alloys (UNS R30005 and K92650)

A876-17e1 - Standard Specification for Flat-Rolled, Grain-Oriented, Silicon-Iron, Electrical Steel, Fully Processed Types

A901-19 - Standard Specification for Amorphous Magnetic Core Alloys, Semi-Processed Types

A1086-20 Standard Specification for Thin-Gauge Nonoriented Electrical Steel Fully Processed Types

TEST METHODS

A34/A34M-06(2021) Standard Practice for Sampling and Procurement Testing of Magnetic Materials

343/A343M-14(2019) Standard Test Method for Alternating-Current Magnetic Properties of Materials at Power Frequencies Using Wattmeter-Ammeter-Voltmeter Method and 25-cm Epstein Test Frame

A348/A348M-05(2021) 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

A804/A804M-04(2021) Standard Test Methods for Alternating-Current Magnetic Properties of Materials at Power Frequencies Using Sheet-Type Test Specimens

A927/A927M-18 Standard Test Method for Alternating-Current Magnetic Properties of Toroidal Core Specimens Using the Voltmeter-Ammeter-Wattmeter Method

A932/A932M-01(2019) - Standard Test Method for Alternating-Current Magnetic Properties of Amorphous Materials at Power Frequencies Using Wattmeter-Ammeter-Voltmeter Method with Sheet Specimens

TERMINOLOGY

A340-21 - Standard Terminology of Symbols and Definitions Relating to Magnetic Testing

Not seeing exactly what you're looking for? Relay Steels? Ductility Tests? ASTM Committee A06 on Magnetic Properties has over 50 standards covering the full range of magnetic materials and test methods. Jump to https://www.astm.org/digital_library/commit/pages/stds_full/a06.htm to see our complete catalogue.

Costs for individual standards are around \$55 each, some a little more, some a little less. More than you were thinking? Consider joining as a full member of Committee A06. Current dues are \$75.00 per year and with that you'll have the opportunity to personally participate in the crafting and revision of these standards and to engage with people working at the highest levels of the magnetic materials universe.

PLUS, YOU'LL GET THE ENTIRE A06 CATALOGUE AT NO ADDITIONAL CHARGE. Now that's a heckuva deal!