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Standard Specification for Amorphous Magnetic Core Alloys, Semi-Processed Types¹

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1. Scope

1.1 This specification covers the general requirements to which flat-cast, amorphous, semi-processed, iron-base magnetic core alloys must conform.

1.2 These alloys are produced by a rapid-quenching, direct-casting process, resulting in metals with noncrystalline structure. The metallic alloys are made to meet specified maximum core-loss values and are intended primarily for commercial power frequency (50- and 60-Hz) applications in magnetic devices. Desirable core-loss and permeability characteristics are developed by

¹ This specification is under the jurisdiction of ASTM Committee A6 A06 on Magnetic Properties and is the direct responsibility of Subcommittee A06.02 on Material Specifications.

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