



~~Designation: A 636-76 (Reapproved 2004)~~ Designation: A 636 – 08

Standard Specification for Nickel Oxide Sinter¹

This standard is issued under the fixed designation A 636; 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~~ Scope*

- 1.1 This specification covers one grade of nickel oxide sinter, designated as 75 used for alloying in iron and steel melting.
- 1.2 ~~The values stated in inch-pound units are to be regarded as the standard. The SI equivalents of inch-pound units may be approximate.~~

2. Referenced Documents

- 2.1 *ASTM Standards:*²
 - E29 Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications
 - E39 Methods for Chemical Analysis of Nickel

3. ~~Ordering Information~~

- 3.1 ~~Orders for materials under this specification shall include the following information:~~
 - 3.1.1 ~~Name of material—nickel oxide sinter,~~
 - 3.1.2 ~~ASTM designation and year of issue, and~~
 - 3.1.3 ~~Grade.~~
- 3.2 ~~Although nickel oxide sinter may be ordered either by total net weight or contained weight, the customary basis for payment is per pound of contained nickel.~~

4. ~~Chemical Composition~~

- 4.1 ~~Nickel oxide sinter shall conform to the requirements as to chemical composition specified in A 1025 Specification for Ferrous Castings, General Requirements~~ Specification for Ferrous Castings, General Requirements

3. General Conditions for Delivery

- 3.1 Materials furnished to this specification shall conform to the requirements of Specification A 1025, including any supplementary requirements that are indicated in the purchase order. Failure to comply with the general requirements of Specification A 1025 constitutes nonconformance with this specification. In case of conflict between the requirements of this specification and Specification A 1025, this specification shall prevail.

4. Chemical Requirements

- 4.1 The chemical requirements are shown in Table 1.
- 4.2 The manufacturer shall furnish an analysis of each shipment showing the nickel content.
- 4.3 The values shown for cobalt, copper, iron and sulfur are expected maximums. Upon request of purchaser, the manufacturer shall furnish an analysis for any of these elements over a period of production mutually agreed upon by manufacturer and the purchaser.

5. Size

- 5.1 ~~Nickel oxide sinter is available in containers packed to either 50 lb or 22.5 kg of nickel contained, larger uniform weight~~

¹ This specification is under the jurisdiction of ASTM Committee A01 on Steel, Stainless Steel, and Related Alloys and is the direct responsibility of Subcommittee A01.18 on Castings.

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² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

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