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Standard Specification for Ferrotitanium¹

This standard is issued under the fixed designation A 324; 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 specification covers four grades of ferrotitanium, designated A, B, C, and D.

2. Referenced Documents

2.1 *ASTM Standards:*²

~~E29 Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications~~

~~E32 Practices for Sampling Ferroalloys and Steel Additives for Determination of Chemical Composition~~

3. Ordering Information

~~3.1 The material furnished under this specification shall be crushed to the specified size, and mixed before packaging, so that the quality in each package is uniform with the lot.~~

~~3.2 The reported percentage of titanium as obtained by chemical analysis shall be used to determine the billing of the material to the purchaser.~~

4. Chemical Composition

~~4.1 The various grades shall conform to the requirements as to chemical composition prescribed in Tables 1 and 2 of Specification A 1025, Specification for Ferroalloys and Other Alloying Materials, 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 Tables 1 and 2.~~

5. Size

~~5.1 The various grades are available in sizes as listed in Table 3.~~

~~5.2 The sizes listed in Table 3 are typical as shipped from the manufacturer's plant. These alloys exhibit varying degrees of friability; therefore, some attrition may be expected in transit, storage, and handling. A quantitative test is not available for rating relative friability of ferroalloys. A code system has been developed, for this purpose, and a number rating each product type is shown in the last column of Table 44. Definitions applicable to these code numbers are given in Specification A 1025.~~

5. Chemical Analysis

~~5.1 The chemical analysis of the material shall be made in accordance with a procedure agreed upon between the manufacturer and the purchaser.~~

6. Sampling

~~6.1 The material shall be sampled in accordance with Practices E32.~~

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.