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## Standard Specification for Ferroboron<sup>1</sup>

This standard is issued under the fixed designation A323; 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 ( $\epsilon$ ) indicates an editorial change since the last revision or reapproval.

### 1. Scope

1.1 This specification covers several grades of ferroboron.

1.2 The values stated in inch-pound units are to be regarded as the standard. The SI units given in parentheses are for information only.

### 2. Referenced Documents

2.1 *ASTM Standards*:<sup>2</sup>

[A1025 Specification for Ferroalloys and Other Alloying Materials, General Requirements](#)

[E371 Test Method for The Determination of Boron in Ferroboron \(Withdrawn 2006\)](#)<sup>3</sup>

### 3. General Conditions for Delivery

3.1 Materials furnished to this specification shall conform to the requirements of Specification [A1025](#), including any supple-

<sup>1</sup> 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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<sup>2</sup> For referenced ASTM standards, visit the ASTM website, [www.astm.org](http://www.astm.org), or contact ASTM Customer Service at [service@astm.org](mailto:service@astm.org). For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

<sup>3</sup> The last approved version of this historical standard is referenced on [www.astm.org](http://www.astm.org).

mentary requirements that are indicated in the purchase order. Failure to comply with the general requirements of Specification [A1025](#) constitutes nonconformance with this specification. In case of conflict between the requirements of this specification and Specification [A1025](#), this specification shall prevail.

### 4. Chemical Composition

4.1 The various grades shall conform to the requirements as to chemical composition specified in [Table 1](#). The manufacturer shall furnish an analysis of each lot showing the percentage of each element specified.

### 5. Sizing

5.1 Ferroboron is available in various sizes such as: 2 in. (50.8 mm) by down, 1 in. (25.4 mm) by down, ¼ in. (6.35 mm) by down, and 20 mesh (0.841 mm) by down. The size shall be as specified in the order.

### 6. Chemical Analysis

6.1 The chemical analysis of the material shall be made in accordance with Test Method [E371](#). Where a method is not given in Test Method [E371](#) for the analysis for a particular element, the analysis shall be made in accordance with a procedure agreed upon by the manufacturer and purchaser.

### 7. Keywords

7.1 ferroboron