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Nickel-titanium powder for additive manufacturing

增材制造用镍钛合金粉

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

This document was proposed by China Nonferrous Metals Industry Association.

This document was prepared by the National Technical Committee on Standardization of Nonferrous Metals (SAC/TC243) and the National Technical Committee on Standardization of Additive Manufacturing (SAC/TC562) jointly under the jurisdiction of the Commission.

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NiTi Alloy Powders for Additive Manufacturing

1 Scope

This document specifies the grades and classifications, technical requirements, test methods, inspection rules and marking, packaging, Transportation, storage, accompanying documents and order contents.

This document applies to nickel-titanium for additive manufacturing prepared by plasma rotating electrode method, gas atomization method, plasma spheroidization method, etc. Alloy powder.

2 Normative references

GB/T 1479.1

GB/T 1480

GB/T 1482

GB/T 4698.7

GB/T 4698.14

GB/T 4698.15

GB/T 5162

GB/T 5314

GB/T 19077

GB/T 23614.1

GB/T 23614.2

GB/T 35351

GB/T 41978

3 Terms and definitions

The terms and definitions defined in GB/T 35351 apply to this document.

4 Brands and classifications

The product is graded FNiTi-01 and is divided into two categories, Class I and Class II, according to particle size range.

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