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Polymer-bonded neodymium iron boron compounds pellets

钕铁硼复合颗粒料

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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 and coordinated by the National Rare Earth Standardization Technical Committee (SAC/TC229).

This document was drafted by: Hangzhou Qianshi Technology Co., Ltd., Jiangxi Zhongshi New Materials Co., Ltd., Shanghai Sanhuan Magnetic Materials Co., Ltd., Hangzhou Sanhua Research Institute Co., Ltd., Youyan Rare Earth High-Tech Co., Ltd., Hangzhou Kede Magnetics Co., Ltd., Ningbo Yunsheng Bonded Magnet Co., Ltd.

Company, Hangzhou Quadrant Technology Co., Ltd., Hangzhou Meici Technology Co., Ltd., Youyan Rare Earth New Materials Co., Ltd., Qiandong Rare Earth Group Co., Ltd.

Co., Ltd., Zhejiang University of Technology, Ningbo Institute of Materials Technology and Engineering, Chinese Academy of Sciences, Baotou Rare Earth Research Institute, China Rare Earth Tianma New Materials Technology Co., Ltd., Ningbo Zhaobao Magnetics Co., Ltd., and Nonferrous Metals Technology and Economics Research Institute Co., Ltd.

The main drafters of this document are: Zhao Ningning, Chen Haibo, Wang Yongjie, Cai Wei, Shen Senqi, Lian Jiangbin, Zheng Jingwu, Guo Xiaoyan, Wang Fan, Li Rongyao, Tang Chengcheng, Peng Haijun, Qian Kezhe, Zhang Chaoyue, Zhang Weishan, Wang Wei, Yu Hongfeng, Ding Kewang, Zhan Lichun, Chen Siyuan, Wang Zilong, Luo Yang, Yao Nanhong, Qiao Liang, Sun Yingli, Gao Yan, Gao Xigui, Cheng Junfeng, Yang Yuanfei, Jia Shengli, Zhou Yao, Shi Jinfang, Guo Sizhuo, Song Guanyu, Shen Lihan, and Wu Cenyang. NdFeB

composite granules

1 Scope

This document specifies the classification and grade, technical requirements, test methods, inspection rules, packaging, marking, transportation, Storage and travel documents.

This document applies to the preparation of NdFeB composite particles used in the injection molding of magnets.

2 Normative references

GB/T 1033.1-2008

GB/T 1040.2-2022

GB/T 1843

GB/T 3217

GB/T 3682.1

GB/T 8170

GB/T 9341

GB/T 9637

GB/T 13560

GB/T 15676

GB/T 17951

GB 39176

3 Terms and Definitions

The terms and definitions defined in GB/T 9637, GB/T 13560, GB/T 15676, GB/T 17951 and the following terms and definitions apply to this document.

3.1 functional materials

The composite material is made of NdFeB powder as the matrix, thermoplastic resin as the binder, and appropriate amount of additives. It is used for injection molding after extrusion granulation.

4.1 Classification

NdFeB composite particles can be divided into two categories. isotropic and anisotropic

according to the magnetic orientation characteristics of NdFeB powder.