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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB 36891-2018

The norm of energy consumption per unit production of mullite

莫来石单位产品能源消耗限额

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009. This standard is proposed and managed by the China National Standardization Administration. This standard was drafted. Jiangsu Jingxin New Materials Co., Ltd., Metallurgical Industry Information Standards Institute, Tongda Refractory Technology Co., Ltd. Limited company. The main drafters of this standard. He Jian, Zhang Jiaqin, Li Wei, Qiu Jinhui, Gao Changhe, Wang Jiangwei, Li Yanjing, Chen Binbin, Wang Yali. Mullite unit product energy consumption limit

1 Scope

GB 36891-2018 is the Chinese national standard on the norm of energy consumption per unit production of mullite, in the field of energy and heat transfer engineering. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 19 November 2018 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 December 2019. Classification: ICS 27.01, CCS F01. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the terms and definitions, energy consumption limits, etc. of the mullite unit product energy consumption (hereinafter referred to as the unit product energy consumption) limit. Level, technical requirements, statistical range and calculation method. This standard applies to the calculation of energy consumption of mullite production enterprises and the energy consumption control of new (expansion) projects.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article. Pieces. For undated references, the

latest edition (including all amendments) applies to this document.

GB/T 3101 General principles for quantities, units and symbols

GB/T 12723 General rules for the preparation of energy consumption per unit product

GB 17167 Energy-using unit energy metering equipment management and general rules

3 Terms and definitions

The following terms and definitions as defined in GB/T 12723 apply to this document.

3.1 Mullite unit product energy consumption energy consumption per unit production of mullite
The total amount of energy consumed to produce 1t of qualified mullite.

4 Energy limit level

The mullite production process is divided into sintering and electrofusion. The energy consumption limit level of the sintered mullite unit product is shown in Table 1. Electric melting mullite unit production The energy consumption limit level is shown in Table 2. Among them, level 1 has the lowest energy consumption. Table

1 Sintered mullite energy consumption limit grade unit is kilograms of standard coal per ton
Process Energy limit level Sintering ≤ 94 ≤ 135 ≤ 252 The calorific value of natural gas should be the measured value. When the measured value cannot be obtained, the standard coal coefficient is 1.2143kgce/m³. Table

2 The electric melting mullite energy consumption limit level unit is kWh per ton Process
Energy limit level Electrofusion ≤ 1320 ≤ 1400 ≤ 1600