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

GB 36887-2018

**The norm of energy consumption per unit product of synthetic
leather**

合成革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. Zhejiang Energy Monitoring Corps, Zhejiang Hexin New Materials Co., Ltd., Zhejiang Energy Conservation Association, Zhejiang Plastics Industry Association, Zhejiang Huayun Clean Energy Co., Ltd., Zhejiang Standardization Research Institute, Jiaying College, Wenzhou Artificial Leather Co., Ltd., Wuxi Double Elephant Microfiber Materials Co., Ltd., Anhui Amway Materials Technology Co., Ltd., Anan (China) Co., Ltd., Shandong Tongda Island New Materials Co., Ltd., Kunshan Xieyu New Materials Co., Ltd. The main drafters of this standard. Wu Guangzhong, Ying Hong, Xu Yizhen, Yang Shuming, Liu Xiaoli, Zhou Zhijun, Xia Xiaofang, Zhao Yuhua, Wu Mingsen, Xu Zhi, Guo Chenlu, Yan Jianming, Hu Yacai. Synthetic leather unit product energy consumption limit

1 Scope

GB 36887-2018 is the Chinese national standard on the norm of energy consumption per unit product of synthetic leather, 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 production of N,N-dimethylformamide (hereinafter referred to as DMF) for the production of synthetic leather and synthetic leather. Terms and definitions, classifications, energy consumption limit levels, technical requirements, statistical ranges and calculation methods for energy consumption (hereinafter referred to as energy

consumption) limits. This standard applies to synthetic leather production and DMF recovery energy consumption calculation, management and assessment of synthetic leather production enterprises, as well as new or modified Energy control for 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 2589 General rules for comprehensive energy consumption calculation

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

GB/T 34443 artificial leather and synthetic leather terminology

HG/T 2028 industrial dimethylformamide QB/T 1646 polyurethane synthetic leather

3 Terms and definitions

The following terms and definitions as defined in GB/T 12723 and GB/T 34443 apply to this document.

3.1 N,N-dimethylformamide recovery DMF recovery The process in which DMF containing N,N-dimethylformamide is separated, purified, and reused.

3.2 Synthetic leather production unit product comprehensive energy consumption comprehensive energy consumption per unit product of synthetic leather During the statistical period, the ratio of the comprehensive energy consumption of synthetic leather products to the number of qualified leather products.

3.3 DMF recycling unit product comprehensive energy consumption comprehensive energy consumption per unit product of DMF recovery During the statistical period, the ratio of the comprehensive energy consumption of DMF and the number of DMF recovery standards is recovered.

4 Classification

Synthetic leather production enterprises are classified according to the production process used, see Table 1, wet process, dry process, post-treatment process and DMF recovery. The flow diagrams are shown in Figure 1 to Figure 4, respectively.