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**TEXTILE INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

FZ/T 07012-2021

**Technical specification for eco-design product assessment -
Wool worsted products**

绿色设计产品评价技术规范 毛精纺产品

(English Translation)

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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 China National Textile and Apparel Council.

Introduction

To achieve high-quality and sustainable development of my country's economy and society, it is necessary to conscientiously implement the five major developments of "innovation, coordination, green, openness and sharing".

concept, speed up the supply of green product standards, promote green product evaluation, lead green production and green consumption, and promote the green and healthy development of the industry.

The "Overall Plan for the Reform of Ecological Civilization System" issued by the Central Committee of the Communist Party of China and the State Council proposes to "establish a unified green product system and divide the current the environmental protection, energy saving, water saving, recycling, low-carbon, regeneration, organic and other products established by the company are integrated into green products, and a unified green product

standard is established.

standards, certification, identification and other systems".

The green design product evaluation standard starts from the product life cycle, and considers the selection of raw materials, energy consumption, environmental impact and product quality as a whole.

Quantity, health and safety and other attributes, taking into account energy saving, environmental protection, water saving, recycling, low carbon, regeneration and other aspects, select the impact on human health, ecological environment safety Typical indicators that are loud and closely related to product quality and performance are used as indicators for evaluating green products. The evaluation model adopts the method of self-declaration it can effectively reduce the burden on enterprises, fully reflect the concept of enterprises as the main body, and use market supervision to promote products that have obtained green labels.

It provides technical support for improving the effective supply of green ecological products in my country and promoting the supply-side structural reform.

Green design product evaluation technical specification wool worsted products

1 Scope

This standard provides the terms and definitions, evaluation requirements, self-evaluation report preparation requirements, Product life cycle assessment report preparation requirements and green design product judgment basis.

This standard applies to the green evaluation of wool worsted products produced with wool and animal fibers as the main raw materials.

2 Normative references

The following documents are essential for the application of this document. For dated references, only the dated version applies to this article pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 2589 General Principles of Comprehensive Energy Consumption Calculation GB/T 5706 Terminology of Textiles and Wool Textile Products GB 17167 General Rules for the Equipping and Management of Energy Measuring Instruments for Energy Consumption Units GB 18401 National Basic Safety Technical Specification for Textile Products GB/T 18820 General Rules for the Compilation of Water Intake Quotas for Industrial Enterprises GB/T 18916.14 Water intake quota - Part 14: Wool textile products GB/T 19001 Quality Management System Requirements GB/T 23322 Determination of Textile Surfactants Alkylphenols and Alkylphenol Ethoxylates GB/T 23331 Energy Management System Requirements and Guidelines for Use GB/T 24001 Environmental Management System

Requirements and Guidelines for Use GB/T 24040 Environmental Management Life Cycle Assessment Principles and Framework GB/T 24044 Environmental Management Life Cycle Assessment Requirements and Guidelines GB 24789 General rules for the provision and management of water measuring instruments for water units GB 31701 Safety Technical Specification for Textile Products for Infants and Children GB/T 32161 General Principles of Eco-design Product Evaluation T/CNTAC8 List of Restricted Substances for Textile Products

3 Terms and Definitions

GB 5706, GB/T 24040, GB/T 24044, GB/T 32161 and the following terms and definitions apply to this document.

green design eco-design According to the concept of life cycle, the selection of raw materials, production, sales, use, recycling, disposal, etc. are systematically considered in the product design and development stage.

The impact of each link on resources and the environment, and strive to minimize resource consumption in the entire life cycle of products, use as little or no content as possible There are raw materials with harmful substances, reducing the generation and discharge of pollutants, so as to realize the activities of environmental protection.

woolworstedproducts

With wool and other animal fibers as the main raw materials, after scouring (velvet), sliver making, dyeing, worsted spinning, weaving (including weaving and knitting),