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

FZ/T 80013-2012

Cleanroom garment. Test method of easy shed large particles

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(English Translation)

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Table of Contents

Foreword
Introduction
1 Scope
2 Normative references
3 Terms and Definitions
4 Test items
5 Detection principle

Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules.

The standard proposed by China Textile Industry Association.

This standard by the National Standardization Technical Committee apparel (SAC/TC219) centralized.

Drafting of this standard. Shanghai Bai Jie electrostatic detection technology center, Shanghai Garment Research Institute, Shanghai morning-long static Technology Co., Division Shenzhen Selen Science & Technology Co., Ltd., Suzhou City letter purification plant, Suzhou days, ultra-clean Technology Co., Ltd., Hite Sri Lanka (Shanghai) Co., Ltd. washing service.

Introduction

With the progress of China's electronics, semiconductor, aerospace, precision instruments, pharmaceuticals and other high-tech industries, the rapid development of clean clean room technology the role of chambers of clothing has become increasingly prominent.

And other tests than the tiny particles of pollution (particle size less than 5 μ m) different methods, the method focuses on clean clothes shedding large micro Particles and fibers. Cleanroom clothing during use, easy off clothing once large particles fall down from the clothing, it will become clean room Pollutants inside. Detection and control of clean clothes shedding large number of particles, to ensure the quality of the clean room is of great significance.

Shedding large particle cleanroom clothing, including short fiber easy to fall off of. Morphology of fibers and particles generally have a greater difference, so Needs were detected.

Easy to fall off a variety of factors cleanroom clothing denser particles, depending on the clothing materials, processing and cleaning. Cleanroom garments the production process is not carried out in a clean environment, and good clean room garment sewing more attached to microparticles need to carefully cleaned Later, to meet the needs for use in a clean room. This standard is the result of the detection object cleaned clean packaged cleanroom clothing, detection Work does not include cleaning.

Cleanroom Clothing

Shedding large particle detection method

1 Scope

This standard specifies the cleanroom garment shedding large particle detection methods, including. terms and definitions, test items, the detection principle, Test conditions, test operations, data processing, reporting the results.

This standard applies to textile woven fabric made of cleanroom garments, non-woven fabric made cleanroom clothing can also be reference.

This standard does not apply to non-permeable material cleanroom clothing.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 25915.1-2010 cleanroom and associated controlled environments - Part 1. air cleanliness level

3 Terms and Definitions

The following terms and definitions apply to this document.

Cleanroom Clothing cleanroomgarment in the clean room and associated controlled environments worn to prevent electrostatic discharge damage protection products and cleanroom environment to meet the cleanliness Seek clothing.

Large particles Equivalent particle diameter is 5 μ m particles.

Fiber fiber

Length (length and width) of not less than 10, and a length of not less than 50 μ m particles.

Shedding particles easyledparticles 98Pa pressure difference on both sides of the fabric under the condition of detachment from the cleanroom clothing particles.

4 Test items

4.1

shedding fiber density (root/m²).

Density 4.2 not easy to fall off less than 5μm particles (particles/m²).

5 Detection principle

Jig specified parts of a single layer of clothing into a fixed plane. Air is drawn by the suction pump, the air inlet portion against the plane under clothing