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

GB/T 40426.1-2021

**Plastics - Decorative solid surfacing materials - Part 1:
Classification and specifications**

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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 of Standardization Documents"

Drafting.

This document is the first part of GB/T 40426 "Decorative Solid Surface Materials for Plastic Products". GB/T 40426 has released the following

part.

---Part 1. Classification and specification;

---Part 2. Determination of performance of plate-shaped solid surface materials;

---Part 3. Determination of performance of non-plate solid surface materials.

This document uses the redrafting law to modify and adopt ISO 19712-1.2008 "Plastic products decorative solid surface materials Part 1. Classification

And norms.

Compared with ISO 19712-1.2008, this document has many structural adjustments.

Appendix A lists this document and ISO 19712-1.

The 2008 chapter number comparison list.

There are technical differences between this document and ISO 19712-1:2008. The relevant differences have been incorporated into the main text and

The margin of the paragraph is marked with a single vertical line (|). A list of these technical differences and their reasons is given in Appendix B.

Introduction

This document is intended for use by manufacturers of decorative solid surface materials, assemblers, construction parties and design units.

The proposed test method and its performance requirements are closely related to the use of the product. The installation method and process may affect the performance of the product.

Health impact.

Performance requirements include but are not limited to color and finish, size, appearance quality, resistance to dry heat, resistance to moisture and heat, resistance to falling ball impact, and anti-fouling

Resistance, color fastness to light, resistance to cigarette burning, resistance to cold and hot water cycles, load testing and other important properties.

GB/T 40426 consists of three parts.

---Part 1. Classification and specification. The purpose is to specify the performance requirements of decorative solid surface materials

---Part 2. Determination of performance of plate-shaped solid surface materials. The purpose is to specify the test method for plate type solid surface materials

---Part 3. Determination of performance of non-plate solid surface materials. The purpose is to specify the test method for non-plate solid surface materials.

Decorative solid surface material for plastic products

Part 1. Classification and Specification

1 Scope

This document specifies the terms and definitions, classification, requirements, test methods, inspection rules, packaging, marking, transportation and

Store.

This document applies to plate-type solid surface materials and non-plate-type solid surface materials, and other products with similar purposes can also be implemented by reference.

2 Normative references

The contents of the following documents constitute the indispensable clauses of this document through normative references in the text. Among them, dated quotations

Only the version corresponding to that date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to

This document.

GB/T 2828.1 Sampling inspection procedure by attributes Part 1. Batch inspection sampling plan retrieved by acceptance quality limit (AQL)

GB 8624 Classification of burning performance of building materials and products

GB/T 40426.2-2021 Decorative solid surface materials for plastic products Part 2. Determination of properties of plate-shaped solid surface materials (ISO 19712-2:2007, MOD)

GB/T 40426.3-2021 Decorative solid surface materials for plastic products Part 3. Determination of performance Non-plate solid surface materials (ISO 19712-3:2007, MOD)

JC/T 908-2013 Artificial stone

3 Terms and definitions

The following terms and definitions apply to this document.

3.1

Solid surfacing material; SSM

Composed of polymer materials, fillers and pigments, plate-shaped products or non-plate-shaped products formed by processes such as pouring or pressing.

Note 1. The solid surface material is made of the same material.

Note 2. The surface of the artificial marble surface material is repairable.

Note 3. The solid surface material can realize seamless splicing.

3.2

Artificial marble stone surfacing material

Take polymethyl methacrylate (PMMA) or unsaturated polyester resin (UPR) as the matrix,

mainly use aluminum hydroxide as the filler, and add pigment

Materials and other auxiliary agents, solid surface materials such as casting molding or vacuum molding or compression molding.

3.3

Artificial quartz stone surfacing material

Natural quartz stone (sand, powder), silica sand, tailings slag and other inorganic materials (the main component of which is silica) are used as the main raw materials.

Polymer is a solid surface material made of adhesive material.