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**NATIONAL STANDARD OF THE  
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**Flexible cellular polymeric materials - Laboratory assessment  
of horizontal burning characteristics of small specimens  
subjected to a small flame**

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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 for Standardization Documents" drafting.

This document is equivalent to the ISO 3582.2000 "Combustion characteristics of small samples of flexible porous polymer materials in the horizontal direction under a small flame Laboratory Evaluation.

A chapter "Terms and Definitions" has been added to this document.

The following minimal editorial changes have been made to this document.

---Incorporated the amendments of ISO 3582.2000/Amd.1.2007, the outer margin position of the terms involved is vertical

Double lines (||) are marked;

--- Chapter 11 adds a note;

--- Added Appendix NA (informative);

--- Added references.

Please note that some contents of this document may refer to patents. The issuing agency of this document assumes no responsibility for identifying patents.

## 1 Scope

This document establishes a small laboratory sieve for comparing the horizontal combustion characteristics of small samples of flexible porous polymeric materials under a small flame.

The purpose is only to quickly and simply evaluate the combustion characteristics of the material itself, that is, regardless of the environmental factors of the material or the material it is made of.

conditions of use of the product. Therefore, the correlation between the test results and the performance of such materials or products under actual use conditions cannot be established.

sex. The test is limited to samples with a thickness greater than 5mm, and the test results of samples with different thicknesses are not comparable.

This document is not intended to assess potential fire hazards in use.

Note. See ISO 9772.2020 for another test method for porous plastics with a density less than 250kg/m<sup>3</sup>. The test equipment and procedures are different from those specified in this document, because

It should not be assumed that they will produce the same test results.

## 2 Normative references

The contents of the following documents constitute the essential provisions of this document through normative references in the text. Among them, dated references

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

this document.

linear dimensions)

Note. GB/T 6342-1996 Determination of linear dimensions of foamed plastics and rubber (ISO 1923.1981, IDT)

## 3 Terms and Definitions

This document does not have terms and definitions that need to be defined.

## **4 Purpose of the test**

Under specified conditions, compare the combustion characteristics of different materials, control the manufacturing process, and evaluate the changes before and during use are of great value. There is no correlation between the results of this test and how the material or product will perform under actual use conditions. The product should be based on

The end use shall be tested by the corresponding test method.

This test method is not suitable for evaluating the potential fire risk of materials or products during use. The assessment of fire risk needs to consider

Factors such as gas supply, combustion intensity, and combustion products also need to be considered. Environmental factors, such as the intensity of the fire source, the arrangement of the burned materials

orientation and ventilation conditions.

## **5 general rules**

5.1 The horizontal burning characteristics measured by this test procedure are affected by factors such as density, anisotropy of the porous polymer, and specimen thickness.