ICS 13.220.40, 83.080.01 SLOVENSKÁ TECHNICKÁ NORMA Január 2025

STN	**Plasty** **Stanovenie správania sa pri horení tenkých ohybných vertikálnych vzoriek v styku s malým iniciátorom zapálenia (ISO 9773: 2024)**	**STN** **EN ISO 9773** 64 0759

Plastics - Determination of burning behaviour of thin flexible vertical specimens in contact with a small-flame ignition source (ISO 9773:2024)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 12/24

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Oznámením tejto normy sa ruší
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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 9773

September 2024

ICS 13.220.40; 83.080.01

Supersedes EN ISO 9773:1998, EN ISO 9773:1998/A1:2003

English Version

Plastics - Determination of burning behaviour of thin flexible vertical specimens in contact with a small-flame ignition source (ISO 9773:2024)

Plastiques - Détermination du comportement au feu d'éprouvettes minces verticales souples au contact d'une petite flamme comme source d'allumage (ISO 9773:2024)

Kunststoffe - Bestimmung des Brandverhaltens von dünnen, biegsamen, vertikal ausgerichteten Probekörpern in Kontakt mit einer kleinen Zündquelle (ISO 9773:2024)

This European Standard was approved by CEN on 11 May 2024.

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Ref. No. EN ISO 9773:2024 E

Contents

Page

European foreword

This document (EN ISO 9773:2024) has been prepared by Technical Committee ISO/TC 61 "Plastics" in collaboration with Technical Committee CEN/TC 249 “Plastics” the secretariat of which is held by SIS.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by March 2025, and conflicting national standards shall be withdrawn at the latest by March 2025.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

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Endorsement notice

The text of ISO 9773:2024 has been approved by CEN as EN ISO 9773:2024 without any modification.

International Standard

ISO 9773

Plastics — Determination of burning behaviour of thin flexible vertical specimens in contact with a small flame ignition source

Plastiques — Détermination du comportement au feu d'éprouvettes minces verticales souples au contact d'une petite flamme comme source d'allumage

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Contents

Page

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 4, *Burning behaviour*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 249, *Plastics*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This third edition cancels and replaces the second edition (ISO 9773:1998), which has been technically revised. It also incorporates the Amendment ISO 9773:1998/Amd. 1:2003.

The main changes are as follows:

— the required light level in the chamber has been added;

— informations on conditioning, laboratory and timing have been amended;

— conditioning of cotton prior to testing has been added;

— information on specimen thickness has been amended;

— information on retesting has been amended;

— mandatory information is provided throughout the document;

— normative references clause has been updated.

Any feedback or questions on this document should be directed to the user’s national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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International Standard **ISO 9773:2024(en)**

Plastics — Determination of burning behaviour of thin flexible vertical specimens in contact with a small flame ignition source

1 Scope

1.1 This document specifies a small-scale laboratory screening procedure for comparing the relative burning behaviour of vertically oriented thin and relatively flexible plastics specimens exposed to a low-energy-level flame ignition source.

NOTE These specimens cannot be tested using method B of IEC 60695-11-10:2013 since they distort or shrink away from the applied flame source without igniting.

1.2 This test method determines the afterflame and afterglow times of specimens.

1.3 The classification system described in Annex A is intended for quality control and the preselection of component materials for products. The classification established by this method of test is applicable only to the material used for the specimens.

NOTE Test results are influenced by material components, e.g. pigments, fillers, concentrations of fire retardants.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 845:2006, *Cellular plastics and rubbers — Determination of apparent density*

ISO 10093:2020, *Plastics — Fire tests — Standard ignition sources*

ISO 13943:2023, *Fire safety — Vocabulary*

IEC 60695-11-4:2011, *Fire hazard testing — Part 11-4: Test flames — 50 W flame — Apparatus and confirmational test method*

IEC 60695-11-5:2016, *Fire hazard testing — Part 11-5: Test flames — Needle-flame test method — Apparatus, confirmatory test arrangement and guidance*

IEC 69695-11-10:2013, *Fire hazard testing — Part 11-10: Test flames — 50 W horizontal and vertical flame test methods*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN