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STN	**Letectvo a kozmonautika Horľavosť nekovových materiálov Časť 1: Skúška s malým horákom, vertikálna Stanovenie vertikálneho šírenia plameňa**	**STN EN 3844-1 31 7034**

Aerospace series - Flammability of non-metallic materials - Part 1: Small burner test, vertical - Determination of the vertical flame propagation

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. 02/20

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English Version

Aerospace series - Flammability of non-metallic materials - Part 1: Small burner test, vertical - Determination of the vertical flame propagation

Série aérospatiale - Inflammabilité des matériaux non métalliques - Partie 1 : Essai au brûleur, vertical - Détermination de la propagation verticale de la flamme

Luft- und Raumfahrt - Entflammbarkeit nichtmetallischer Werkstoffe - Teil 1: Kleinbrenner-Prüfung, senkrecht - Bestimmung der senkrechten Flammenausbreitung

This European Standard was approved by CEN on 12 May 2019.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

This document (EN 3844-1:2019) has been prepared by the Aerospace and Defence Industries Association of Europe — Standardization (ASD-STAN).

After enquiries and votes carried out in accordance with the rules of this Association, this Standard has received the approval of the National Associations and the Official Services of the member countries of ASD, prior to its presentation to CEN.

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of an identical text or by endorsement, at the latest by February 2020, and conflicting national standards shall be withdrawn at the latest by February 2020.

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.

This document supersedes EN 3844-1:2011.

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1 Scope

This document specifies the test method for the determination of the vertical flame propagation and after flame time of non-metallic materials in part or in whole.

This test method is also used for testing non-metallic materials which have to meet the test criteria for the vertical Bunsen burner test:

a) with a flame application time of 60 s;

b) with a flame application time of 12 s.

It is used for evaluation of non-metallic materials or constructions used in the interiors of aerospace vehicles but also may be used in other applications as specified in applicable procurement and regulatory documents.

This standard should be used to measure and describe the properties of non-metallic materials, products or assemblies in response to heat and flame under controlled laboratory conditions and should not be used to describe or appraise the fire hazard or fire risk of materials, products, or assemblies under actual fire conditions. However, results of this test may be used as elements of a fire risk assessment which takes into account all of the factors which are pertinent to an assessment of the fire hazard of a particular end use.

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.

ASTM-D 5025, *Standard Specification for Laboratory Burner Used for Small-Scale Burning Tests on Plastic Materials* 1)

1) Published by: ASTM National (US) American Society for Testing and Materials http://www.astm.org/.