

**Aerospace series - Cables, electrical,
aircraft use - Test methods - Part 602:
Toxicity**

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Test methods - Part 602: Toxicity

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 3475-602:2007 sisaldab Euroopa standardi EN 3475-602:2007 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 30.10.2007 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 3475-602:2007 consists of the English text of the European standard EN 3475-602:2007.</p> <p>This document is endorsed on 30.10.2007 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala:</p> <p>This test method is intended for use in determining the concentration of specific gas components of smoke released by cable insulation materials. This test method should be used to measure and describe the properties of cable insulation materials in response to heat and flame under controlled laboratory conditions. This standard should be used to measure and describe the properties of products 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.</p>	<p>Scope:</p> <p>This test method is intended for use in determining the concentration of specific gas components of smoke released by cable insulation materials. This test method should be used to measure and describe the properties of cable insulation materials in response to heat and flame under controlled laboratory conditions. This standard should be used to measure and describe the properties of products 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.</p>
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English Version

**Aerospace series - Cables, electrical, aircraft use - Test
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Série aérospatiale - Câbles électriques à usage
aéronautique - Méthodes d'essais - Partie 602 : Toxicité

Luft- und Raumfahrt - Elektrische Leitungen für
Luftfahrzeuge - Prüfverfahren - Teil 602: Giftigkeit

This European Standard was approved by CEN on 21 June 2007.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN Management Centre has the same status as the official versions.

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Foreword

This document (EN 3475-602:2007) 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 2008, and conflicting national standards shall be withdrawn at the latest by February 2008.

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

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This test method is intended for use in determining the concentration of specific gas components of smoke released by cable insulation materials.

This test method should be used to measure and describe the properties of cable insulation materials in response to heat and flame under controlled laboratory conditions.

This standard should be used to measure and describe the properties of products 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 referenced documents are indispensable for the application 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.

EN 3475-601, *Aerospace series — Cables, electrical, aircraft use — Test methods — Part 601: Smoke density.*

3 Terms and definitions

For the purposes of this standard, the following terms and definitions apply.

3.1

ppm

parts per million, concentration

3.2

colorimetry

analytical procedure using colour comparison

3.3

potentiometry

determination of ionic concentration by electrochemical measurements

3.4

in situ

at the site (in this case: in the NBS chamber)

3.5

halogenides

group of chlorides, fluorides, bromides and iodides

They have a strong electrophilic character and are therefore very reactive.

3.6

absorbent

liquid suitable for collecting gas components