Conveyor belts - Laboratory scale flammability characteristics - Requirements and test method (ISO 340:2013)

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NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 340:2013 sisaldab Euroopa standardi EN ISO 340:2013 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 340:2013 consists of the English text of the European standard EN ISO 340:2013.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 03.04.2013.	Date of Availability of the European standard is 03.04.2013.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile standardiosakond@evs.ee.

ICS 13.220.40, 53.040.20

EUROPEAN STANDARD

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Supersedes EN ISO 340:2004

English Version

Conveyor belts - Laboratory scale flammability characteristics - Requirements and test method (ISO 340:2013)

Courroies transporteuses - Caractéristiques d'inflammabilité d'échelle de laboratoire - Exigences et méthode d'essai (ISO 340:2013)

This European Standard was approved by CEN on 21 January 2013.

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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-CENELEC Management Centre has the same status as the official versions.

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

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Foreword

This document (EN ISO 340:2013) has been prepared by Technical Committee ISO/TC 41 "Pulleys and belts (including veebelts)" in collaboration with Technical Committee CEN/TC 188 “Conveyor belts” the secretariat of which is held by SNV.

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 October 2013, and conflicting national standards shall be withdrawn at the latest by October 2013.

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.

This document supersedes EN ISO 340:2004.

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, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice

The text of ISO 340:2013 has been approved by CEN as EN ISO 340:2013 without any modification.

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CAUTION — This method of test is not designed to assess the fire hazard of any given product. The results may help in the assessment of ignition hazard but should not be used in isolation as evidence that a product or material is safe.

1 Scope

This International Standard specifies a method for assessing, on a small scale, the reaction of a conveyor belt to an ignition flame source. It is applicable to conveyor belts having a textile carcass as well as steel cord conveyor belts.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 8056-1, *Aircraft — Nickel-chromium and nickel-aluminium thermocouple extension cables — Part 1: Conductors — General requirements and tests*

ISO 9162, *Petroleum products — Fuels (class F) — Liquefied petroleum gases — Specifications*

ISO 18573, *Conveyor belts — Test atmospheres and conditioning periods*

3 Terms and definitions

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

3.1
afterflame
flame which persists after the ignition source has been removed

[SOURCE: ISO 13943:2008, 4.6]

3.2
flame
zone of combustion in the gaseous phase, usually with emission of light

[SOURCE: ISO 13943:2008, 4.133]

3.3
flame
to undergo combustion in the gaseous phase with emission of light

[SOURCE: ISO 13943:2008, 4.134]

4 Requirements

4.1 Periods of afterflame (after removal of the burner)

The sum of the periods of flame for each of the series of six tests (see 5.3) shall be less than 45 s and no individual value shall be greater than 15 s (see 5.7.5).

