



SLOVENSKI STANDARD
SIST EN ISO 8033:2006

01-oktober-2006

Gumene in polimerne cevi – Ugotavljanje adhezije med komponentami (ISO/FDIS 8033:2004)

Rubber and plastics hoses - Determination of adhesion between components (ISO 8033:2006)

Gummi- und Kunststoffschläuche - Bestimmung der Haftung zwischen den einzelnen Schichten (ISO 8033:2006) **(standards.iteh.ai)**

Tuyaux en caoutchouc et en plastique - Détermination de l'adhérence entre éléments (ISO 8033:2006)

Ta slovenski standard je istoveten z: EN ISO 8033:2006

ICS:

23.040.70 Gumene cevi in armature Hoses and hose assemblies

SIST EN ISO 8033:2006

en,fr,de

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 8033

July 2006

ICS 23.040.70

Supersedes EN 28033:1993

English Version

Rubber and plastics hoses - Determination of adhesion between components (ISO 8033:2006)

Tuyaux en caoutchouc et en plastique - Détermination de l'adhérence entre éléments (ISO 8033:2006)

Gummi- und Kunststoffschlauch - Bestimmung der Haftung zwischen den einzelnen Schichten (ISO 8033:2006)

This European Standard was approved by CEN on 14 July 2006.

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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 Central Secretariat has the same status as the official versions.

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

Management Centre: rue de Stassart, 36 B-1050 Brussels

EN ISO 8033:2006 (E)**Foreword**

This document (EN ISO 8033:2006) has been prepared by Technical Committee ISO/TC 45 "Rubber and rubber products" in collaboration with Technical Committee CEN/TC 218 "Rubber and plastics hoses and hose assemblies", the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by January 2007, and conflicting national standards shall be withdrawn at the latest by January 2007.

This document supersedes EN 28033:1993.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, 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 United Kingdom.

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INTERNATIONAL STANDARD

**ISO
8033**

Third edition
2006-07-15

Rubber and plastics hoses — Determination of adhesion between components

*Tuyaux en caoutchouc et en plastique — Détermination de l'adhérence
entre éléments*

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ISO 8033:2006(E)**Foreword**

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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

ISO 8033 was prepared by Technical Committee ISO/TC 45, *Rubber and rubber products*, Subcommittee SC 1, *Hoses (rubber and plastics)*.

This third edition cancels and replaces the second edition (ISO 8033:1991), Clause 5, Subclause 6.3, Table 1 and Figure 8 of which have been technically revised.

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Rubber and plastics hoses — Determination of adhesion between components

1 Scope

Adequate adhesion between the various components of a hose is essential if it is to perform satisfactorily in service. This International Standard specifies methods for the determination of the adhesion between lining and reinforcement, between cover and reinforcement, between reinforcement layers, between cover and outer lamination (thin layer of material outside the cover for protection) and between lining and inner lamination (thin layer of material inside the lining to reduce permeation of fluid into the lining). It covers all bore sizes and the following types of hose construction:

- woven textile fabric;
- braided textile fabric;
- knitted textile fabric;
- circular-woven textile fabric;
- textile spiral;
- textile cord;
- wire braid;
- wire spiral;
- hoses containing a supporting helix.

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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.

ISO 5893:2002, *Rubber and plastics test equipment — Tensile, flexural and compression types (constant rate of traverse) — Specification*

ISO 6133, *Rubber and plastics — Analysis of multi-peak traces obtained in determinations of tear strength and adhesion strength*

ISO 23529, *Rubber — General procedures for preparing and conditioning test pieces for physical test methods*