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Rubber — Vocabulary

Caoutchouc — Vocabulaire

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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.

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 documents 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).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 45, *Rubber and rubber products*.

This seventh edition cancels and replaces the sixth edition (ISO 1382:2012), which has been technically revised.

The main changes compared to the previous edition are as follows:

— in Clause 3, terms have been redefined and new terms have been added;

— separate entries for abbreviated terms and synonyms (admitted terms) have been removed and incorporated into the preferred terms as single entries following ISO 10241-1:2011, which is the reference document for the presentation of entries in a vocabulary;

— an alphabetical index of terms has been added.

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.

Introduction

This document is intended to be helpful to persons who are unfamiliar with the terminology of the rubber industry. However, it is also intended for use as a guide by the rubber industry itself in selecting appropriate recommended terms to minimize possible confusions and for use in other International Standards and other reports and publications on rubber.

The vocabulary is limited to those terms in general use in the industry. It does not define terms intended for particular products of rubber nor does it define terms that are generally understood or adequately defined in other readily available sources such as general dictionaries.

Many rubber product areas have also produced International Standards on vocabulary specific to their products and processes, and a list of some of these vocabulary standards is given in the Bibliography.

Attention is also drawn to ISO 472 and ISO 18064 because these contain many terms of common interest to the rubber and plastics industries.

For convenience, standards and other relevant sources referred to in this vocabulary are listed in the first section of the Bibliography. Vocabularies relating to finished rubber products are listed in the second section of the Bibliography.

Rubber — Vocabulary

1 Scope

This document establishes a vocabulary of and is limited to those terms in general use throughout the rubber industry.

It does not define terms intended for particular rubber products, some of which are given in the vocabulary standards listed in the Bibliography.

It does not define terms that are generally understood or adequately defined in other readily available sources such as general dictionaries.

The terms are listed in the alphabetical order of the English terms, with an index to the corresponding English terms attached.

Symbols are included under their full descriptions.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

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

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at http://www.electropedia.org/

3.1
abrasion
loss of material from a surface due to frictional forces

3.2
abrasion resistance
resistance to wear resulting from mechanical action upon a surface

Note 1 to entry: Abrasion resistance is often expressed by the *abrasion resistance index* (3.3).

3.3
abrasion resistance index
ratio of the loss in volume of a standard rubber due to frictional forces to the loss in volume of a test rubber measured under the same specified conditions and expressed as a percentage

Note 1 to entry: ISO 4649 contains a method for the determination of *abrasion resistance* (3.2) using a rotating drum device.