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Rubber and plastics hoses - Assessment of ozone resistance under static conditions (ISO 7326:2016)

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. 03/17

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EUROPEAN STANDARD

EN ISO 7326

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English Version

Rubber and plastics hoses - Assessment of ozone resistance under static conditions (ISO 7326:2016)

Tuyaux en caoutchouc et en plastique - Évaluation de la résistance à l'ozone dans des conditions statiques (ISO 7326:2016)

Gummi- und Kunststoffschläuche - Bestimmung der Ozonbeständigkeit unter statischen Bedingungen (ISO 7326:2016)

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Contents	Page
European foreword.....	3

European foreword

This document (EN ISO 7326:2016) 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of an identical text or by endorsement, at the latest by April 2017, and conflicting national standards shall be withdrawn at the latest by April 2017.

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 7326:2008.

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Endorsement notice

The text of ISO 7326:2016 has been approved by CEN as EN ISO 7326:2016 without any modification.

**Rubber and plastics hoses —
Assessment of ozone resistance under
static conditions**

*Tuyaux en caoutchouc et en plastique — Évaluation de la résistance à
l'ozone dans des conditions statiques*



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Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 General considerations	1
5 Apparatus	2
6 Test pieces	2
6.1 Type of test piece.....	2
6.1.1 Method 1.....	2
6.1.2 Method 2.....	2
6.1.3 Method 3.....	2
6.1.4 Method 4.....	3
6.1.5 Method 5.....	3
6.2 Number of test pieces.....	3
7 Conditioning of test pieces	3
8 Test conditions	3
9 Procedure	3
9.1 Method 1.....	3
9.2 Method 2.....	4
9.3 Method 3.....	4
9.4 Method 4.....	5
9.5 Method 5.....	6
10 Test report	7
Bibliography	8

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).

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For an explanation on 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 the following URL: www.iso.org/iso/foreword.html.

The committee responsible for this document is ISO/TC 45, *Rubber and rubber products*, Subcommittee SC 1, *Rubber and plastics hoses and hose assemblies*.

This fourth edition cancels and replaces the third edition (ISO 7326:2006), which has been technically revised with the following changes:

- in [Clause 2](#), the latest edition of ISO 1431-1 has been cited;
- [5.5](#) and [9.4.1](#) have been amended;
- in [6.1.1](#), the formula has been amended.

Introduction

The methods described in this document provide a means of assessing the resistance of hoses to the deleterious effects of atmospheric ozone under static conditions.

Rubber and plastics hoses — Assessment of ozone resistance under static conditions

1 Scope

This document specifies five methods for determining the ozone resistance of the outer covers of hoses:

- method 1, for bore sizes up to and including 25 mm, carried out on the hose itself;
- method 2, for bore sizes greater than 25 mm, carried out on a test piece from the hose wall;
- method 3, for bore sizes greater than 25 mm, carried out on a test piece from the cover;
- method 4, for all bore sizes, carried out on the hose itself;
- method 5, for all bore sizes, carried out on hoses that are expandable, for example textile-reinforced hoses.

NOTE For hoses with built-in fittings from which it is not possible to take test pieces, the ozone resistance can be assessed on slabs in accordance with ISO 1431-1, using test sheets of the appropriate polymeric compound vulcanized to the same degree.

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.

ISO 1431-1:2012, *Rubber, vulcanized or thermoplastic — Resistance to ozone cracking — Part 1: Static and dynamic strain testing*

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

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