

Nederlandse norm

NEN-ISO 7267-1

(en)

Rubber-covered rollers - Determination of
apparent hardness - Part 1: IRHD method (ISO
7267-1:2008, IDT)

Vervangt NEN-ISO 7267-1:1997

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Als Nederlandse norm is aanvaard:

- ISO 7267-1:2008, IDT

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Normcommissie 342 045 "Rubber"

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**Rubber-covered rollers — Determination
of apparent hardness —**

Part 1:
IRHD method

*Cylindres revêtus de caoutchouc — Détermination de la dureté
apparente —*

Partie 1. Méthode DIDC

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Reference number
ISO 7267-1:2008(E)

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Foreword

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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.

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ISO 7267-1 was prepared by Technical Committee ISO/TC 45, *Rubber and rubber products*, Subcommittee SC 2, *Testing and analysis*.

This third edition cancels and replaces the second edition (ISO 7267-1:1997), which has been revised primarily to update the normative references.

ISO 7267 consists of the following parts, under the general title *Rubber-covered rollers — Determination of apparent hardness*:

- Part 1: IRHD method
- Part 2: Shore-type durometer method
- Part 3: Pusey and Jones method

Introduction

The hardness of a roller covering has traditionally been determined on the finished roller, since it is this hardness that is critical to the correct functioning of the roller in its end application. Values of hardness, determined by whichever method is chosen, are therefore dependent not only on the method employed and on the rubber, but also on the diameter of the roller, the thickness of the covering and, in the case of thin coverings, on the nature of the roller core. For this reason, the term "apparent hardness" is used to distinguish between the values obtained by methods described in the various parts of this International Standard and those that would be obtained for the rubber if it was possible to use the standard test methods for standard test pieces forming the subjects of other International Standards.

Since rollers vary considerably in size, construction and end use, and in view of the fact that hardness determinations are made for such different purposes as specification and factory process control, it has not been possible to standardize on one test method. Consequently, three methods are described (see Foreword), each capable of standing alone.

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