BS ISO 6502-2:2025

BSI Standards Publication

Rubber — Measurement of vulcanization characteristics using curemeters

Part 2: Oscillating disc curemeter

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National foreword

This British Standard is the UK implementation of ISO 6502-2:2025. It supersedes BS ISO 6502-2:2018, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee PRI/22, Testing and analysis of rubber.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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Part 2: Oscillating disc curemeter

Caoutchouc — Mesure des caractéristiques de vulcanisation à l'aide de rhéomètres —

Partie 2: Rhéomètre à disque oscillant

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Foreword

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

This second edition cancels and replaces the first edition (ISO 6502-2:2018), which has been technically revised.

The main changes are as follows:

— an Introduction was added;

— the view direction was changed in Figure 3;

— the volume of the test piece was changed from 8 cm^3 to 9 cm^3 in Clause 7;

— the temperature accuracy was corrected to the temperature resolution in Table A.1.

A list of all parts in the ISO 6502 series can be found on the ISO website.

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.

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Introduction

An International Standard specifying requirements for the use of oscillating disc curemeters was established in 1977 as ISO 3417.[1)] Later, when various rotorless curemeters were developed and became popular, an International Standard for these instruments was produced as ISO 6502.[2)] However, owing to the differences in geometry and construction of the various available instruments, ISO 6502 was not able to specify such requirements in detail. In 1999, it became clear that a number of different rotorless curemeters were available and that significant developments had taken place and were continuing to do so. Hence, it was concluded that, rather than specify individual rotorless instruments, possibly restricting future developments, a more general document was required. Accordingly, it was decided to provide general guidance and assistance in the design and use of curemeters.

The previous edition of this document (ISO 6502-2:2018) replaced ISO 6502, which was split into subsequent parts, covering oscillating disc curemeters (ISO 6502-2) and rotorless curemeters (ISO 6502-3). ISO 6502-1 covers the general principle required for the measurement of vulcanization characteristics using curemeters.

1) Withdrawn.

2) Withdrawn.

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