

International Standard

ISO 6502-2

Rubber — Measurement of vulcanization characteristics using curemeters —

Part 2: iTeh Standards

Oscillating disc curemeter

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

Partie 2: Rhéomètre à disque oscillant

ISO 6502-2:2025

https://standards.iteh.ai/catalog/standards/iso/c1ab60d2-5374-4983-9a43-913ee97af751/iso-6502-2-2025

Second edition 2025-07

iTeh Standards (https://standards.iteh.ai) Document Preview

<u>1SO 6502-2:2025</u>

https://standards.iteh.ai/catalog/standards/iso/clab60d2-5374-4933-9a43-913ee97af751/iso-6502-2-2025



COPYRIGHT PROTECTED DOCUMENT

© ISO 2025

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office CP 401 • Ch. de Blandonnet 8 CH-1214 Vernier, Geneva Phone: +41 22 749 01 11 Email: copyright@iso.org Website: www.iso.org

Published in Switzerland

ISO 6502-2:2025(en)

Contents Foreword Introduction		Page
		iv
		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Principle	1
5	Apparatus 5.1 General 5.2 Dies 5.3 Die closure 5.4 Disc 5.5 Disc oscillation 5.6 Torque-measuring system 5.6.1 Measurement 5.6.2 Recording 5.7 Heating and temperature control	
6	Calibration	8
7	Test piece	8
8 9	Vulcanization Tren Standards Conditioning	8
10	Procedure 10.1 Preparation for test 10.2 Loading the curemeter	9
11 https	Expression of results 11.1 General 11.2 Torque values ISO 6502-2:2025	9 9 9 0-6502-2-202-9 10
12	Test report	
Anne	ex A (normative) Calibration schedule	
	ogranhy	13

ISO 6502-2:2025(en)

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 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).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at www.iso.org/patents. ISO shall not be held responsible for identifying any or all such patent rights.

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*, 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:

- ISO 6502-2:2025
- an Introduction was added;
- the view direction was changed in Figure 3;
- the volume of the test piece was changed from 8 cm³ to 9 cm³ 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.