

This is a preview of "ISO 1795:2017". [Click here to purchase the full version from the ANSI store.](#)

Fifth edition  
2017-06

---

---

## **Rubber, raw natural and raw synthetic — Sampling and further preparative procedures**

*Caoutchouc, naturel brut et synthétique brut — Méthodes d'échantillonnage et de préparation ultérieure*



Reference number  
ISO 1795:2017(E)

© ISO 2017

This is a preview of "ISO 1795:2017". Click here to purchase the full version from the ANSI store.



**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2017, Published in Switzerland

All rights reserved. Unless otherwise specified, 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  
Ch. de Blandonnet 8 • CP 401  
CH-1214 Vernier, Geneva, Switzerland  
Tel. +41 22 749 01 11  
Fax +41 22 749 09 47  
copyright@iso.org  
www.iso.org

This is a preview of "ISO 1795:2017". [Click here to purchase the full version from the ANSI store.](#)

## Contents

	Page
<b>Foreword</b> .....	<b>iv</b>
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Terms and definitions</b> .....	<b>1</b>
<b>4 Method of selecting the sample</b> .....	<b>2</b>
<b>5 Method of taking the laboratory sample</b> .....	<b>2</b>
<b>6 Testing</b> .....	<b>2</b>
<b>7 Preparation of test samples</b> .....	<b>3</b>
7.1 General.....	3
7.2 Natural rubber.....	3
7.2.1 Homogenizing.....	3
7.2.2 Chemical and physical tests.....	3
7.2.3 Mooney viscosity.....	3
7.2.4 Plasticity retention index (PRI).....	3
7.2.5 Vulcanization characteristics.....	3
7.3 Synthetic rubbers.....	3
7.3.1 Chemical and physical tests.....	3
7.3.2 Mooney viscosity.....	4
7.3.3 Vulcanization characteristics.....	5
<b>8 Sampling report</b> .....	<b>5</b>

## 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](http://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](http://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 on 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 the following URL: [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html)

This document was prepared by Technical Committee ISO/TC 45, *Rubber and rubber products*, Subcommittee SC 3, *Raw materials (including latex) for use in the rubber industry*.

This fifth edition cancels and replaces the fourth edition (ISO 1795:2007), which has been technically revised. The main changes compared to the previous edition are as follows:

- the normative references in [Clause 2](#) have been updated;
- in [Clause 4](#), it has been clarified that the number of bales to be chosen at random represent the lot;
- in [Clause 5](#), the note stating that the surface layer may be removed if it is contaminated with talc or a release agent, has been deleted;
- the title of [7.2.1](#) has been changed from “milling” to “homogenizing”;
- in [7.3.1](#), a sentence has been added to specify to take directly the test samples from the laboratory sample when using thermogravimetric methods in ISO 248-2 for the determination of volatile-matter content.