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Rubber, vulcanized — Preparation of samples and test pieces —

Part 2: Chemical tests

*Caoutchouc vulcanisé — Préparation des échantillons et
éprouvettes —*

Partie 2: Essais chimiques



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ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Fax: +41 22 749 09 47
Email: copyright@iso.org
Website: www.iso.org

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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 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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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 4661-2:1987), which has been technically revised.

The main changes compared to the previous edition are as follows:

- updating of the format of the document in regard to [Clauses 2](#) and [3](#);
- replacement of chlorinated solvents with less hazardous solvents in [4.3](#).

A list of all parts in the ISO 4661 series can be found on the ISO website.

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Introduction

When preparing samples of vulcanized rubber for chemical testing, care should be taken that any test portion is representative of the sample with respect to the property or constituent to be determined. Thus, if it is desired to deduce the composition of the original mix, any surface bloom should be incorporated, but if the final bulk composition is required, bloom should be removed preferably by using mechanical means. In the case of tests carried out with test pieces taken from a manufacturer's product, it might be necessary first to separate the desired vulcanized rubber from other possible components of the manufactured products, such as adjacent rubber compounds of different composition, metals, threads, tapes, and fabrics as well as coatings or veneers that cover it. This separation should be made using, whenever possible, mechanical means — blades, abrasive wheels, files, etc. — and avoiding any heat generation.