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Rubber — Measurement of vulcanization characteristics using curemeters —

Part 1: Introduction

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

Partie 1: Introduction

Reference number
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Foreword

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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 first edition of ISO 6502-1 cancels and replaces the fourth edition of ISO 6502:2016, which has been technically revised to keep consistency within the ISO 6502 series.

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

Introduction

An International Standard specifying requirements for the use of oscillating disc curemeters was established in 1977 as ISO 3417, *Rubber — Measurement of vulcanization characteristics with the oscillating disc curemeter*. Later, when various rotorless curemeters were developed and became popular, an International standard for these instruments was produced as ISO 6502, *Rubber — Measurement of cure characteristics with rotorless curemeters*. However, because of the variety of available instruments that differed in geometry and construction, 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. 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 guidance and assistance in the design and use of curemeters generally, and the title of ISO 6502 was changed to *Rubber — Guide to the use of curemeters*. As the use of rotorless curemeters has become more mature, it has now been decided to revise the Guide as Rubber — Measurement of vulcanization characteristics using curemeters — Part 1: Introduction, with subsequent parts for oscillating disc curemeters and rotorless curemeters.