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Second edition
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Rubber compounding ingredients — Carbon black — Determination of aggregate size distribution by disc centrifuge photosedimentometry

*Ingrédients de mélange de caoutchouc — Noir de carbone —
Détermination de la distribution dimensionnelle des agrégats par
photosédimentométrie avec centrifugeuse à disque*



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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).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: [Foreword - Supplementary information](#)

The committee responsible for this document is ISO/ISO/TC 45, *Rubber and rubber products*, Subcommittee SC 3, *Raw materials (including latex) for use in the rubber industry*.

This second edition cancels and replaces the first edition (ISO 15825:2004), which has been technically revised. It also incorporates the Technical Corrigendum ISO 15825:2004/Cor.1:2006. The main changes are as follows.

- [Clause 4](#) has been revised to update some terms and definitions.
- [Clause 8](#) has been revised to specify the sonication parameters in more details and to include the use of an energy meter. New target values for Industry Tint Reference Blacks ITRB and ITRB-2 have been reported.
- [Clause 10](#) has been revised to provide the exact entries to be made by the user when using the test instrument's software.
- [Clause 11](#) has been revised regarding the quantities of fluids used in the disc centrifuge.
- Precision data from the first edition of this International Standard have been moved to an informative [Annex B](#).
- A Bibliography has been added.