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Second edition
2012-07-15

Rubber compounding ingredients — Carbon black — Determination of oil absorption number (OAN) and oil absorption number of compressed sample (COAN)

*Ingrédients de mélange du caoutchouc — Noir de carbone —
Détermination de l'indice d'absorption d'huile (OAN) et de l'indice
d'absorption d'huile d'échantillons comprimés (COAN)*



Reference number
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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.

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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.

ISO 4656 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 second edition cancels and replaces the first edition (ISO 4656:2007), which has been technically revised. In addition to a number of minor editorial changes, the following changes have been made:

- a warning concerning the dangers of dibutyl phthalate has been added at the beginning of Clause 4;
- the current standard reference black, SBR D8, has been added to Table 1;
- in A.3.7, “mesh” has been replaced by “nominal size of openings”;
- in Annex A concerning the preparation of compressed test portions, A.5.1.2, A.5.1.11, A.5.2.1 and A.5.2.14 have been rewritten to specify, for each type of carbon black, the mass of carbon black to be taken for the compression procedure and the mass to be subsequently taken as the test portion for determination of the absorption number of the compressed sample;
- the precision data (previously in Clause 10) have been moved to an informative annex (Annex D);

ISO/TR 9272:2005 has been moved from the normative references clause to a bibliography.