

INTERNATIONAL
STANDARD

ISO
8054

Second edition
1996-02-01

**Rubber, compounded or vulcanized —
Determination of sulfide sulfur content —
Iodometric method**

*Caoutchouc vulcanisé ou non vulcanisé — Dosage du soufre sous forme
de sulfure — Méthode iodométrique*



Reference number
ISO 8054:1996(E)

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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 8054 was prepared by Technical Committee ISO/TC 45, *Rubber and rubber products*.

This second edition cancels and replaces the first edition (ISO 8054:1988), which has been technically revised.

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Introduction

In unvulcanized compounded rubbers, any sulfide sulfur present is normally due to metallic sulfides contained in fillers (e.g. lithopone).

In vulcanizates, the sulfide sulfur content increases with the state of cure and can therefore be used as a method of determining the state of cure of products for which this is critical, providing no metallic sulfide fillers are present in large amounts.