

INTERNATIONAL
STANDARD

ISO
11758

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**Rubber and plastics hoses — Exposure
to a xenon arc lamp — Determination
of changes in colour and appearance**

*Tuyaux en caoutchouc et en plastique — Exposition à la lampe à arc
au xénon — Détermination du changement de coloration et d'aspect*



Reference number
ISO 11758:1995(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 11758 was prepared by Technical Committee ISO/TC 45, *Rubber and rubber products*, Subcommittee SC 1, *Hoses (rubber and plastics)*.

Annexes A, B and C form an integral part of this International Standard.

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Introduction

Measuring the effect of a light source on hoses is of value as a means of inspecting the conservation of the colour, which is often indicative, and the integrity of the coating material that protects the components making up the hose.

Accordingly, this International Standard pursues a threefold aim:

- a) to carry out accelerated artificial ageing using existing material, with a source approximating as closely as possible to natural light;
- b) to measure the effects of this light source on hoses;
- c) to set a limit on deterioration, by agreement between the manufacturer and the user.

A related International Standard is ISO 8580:1987, *Rubber and plastics hoses — Determination of ultra-violet resistance under static conditions*, which refers only to fluorescent lights.

The only other International Standard in this field, ISO 4665-3:1987, *Rubber, vulcanized — Resistance to weathering — Part 3: Methods of exposure to artificial light*, is not specific to hoses.