

This is a preview of "ISO 4892-4:2013". Click here to purchase the full version from the ANSI store.

Third edition  
2013-07-15

---

---

## Plastics — Methods of exposure to laboratory light sources —

### Part 4: Open-flame carbon-arc lamps

*Plastiques — Méthodes d'exposition à des sources lumineuses de laboratoire —*

*Partie 4: Lampes à arc au carbone*



Reference number  
ISO 4892-4:2013(E)

This is a preview of "ISO 4892-4:2013". Click here to purchase the full version from the ANSI store.



## **COPYRIGHT PROTECTED DOCUMENT**

© ISO 2013

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
Case postale 56 • CH-1211 Geneva 20  
Tel. + 41 22 749 01 11  
Fax + 41 22 749 09 47  
E-mail [copyright@iso.org](mailto:copyright@iso.org)  
Web [www.iso.org](http://www.iso.org)

Published in Switzerland

This is a preview of "ISO 4892-4:2013". Click here to purchase the full version from the ANSI store.

## Contents

	Page
<b>Foreword</b>	<b>iv</b>
<b>1 Scope</b>	<b>1</b>
<b>2 Normative references</b>	<b>1</b>
<b>3 Principle</b>	<b>1</b>
<b>4 Apparatus</b>	<b>2</b>
4.1 Laboratory light source	2
4.2 Test chamber	6
4.3 Radiometer	7
4.4 Thermometer	7
4.5 Moisture	7
4.6 Specimen holders	7
4.7 Apparatus to assess changes in properties	7
<b>5 Test specimens</b>	<b>8</b>
<b>6 Test conditions</b>	<b>8</b>
6.1 Temperature	8
6.2 Relative humidity of air	8
6.3 Spray cycle	8
6.4 Cycles with dark periods	8
<b>7 Procedure</b>	<b>9</b>
7.1 Mounting the test specimens	9
7.2 Exposure	9
7.3 Measurement of radiant exposure	9
7.4 Determination of changes in properties after exposure	9
<b>8 Exposure report</b>	<b>9</b>
<b>Bibliography</b>	<b>10</b>

This is a preview of "ISO 4892-4:2013". Click here to purchase the full version from the ANSI store.

## **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. [www.iso.org/directives](http://www.iso.org/directives)

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received. [www.iso.org/patents](http://www.iso.org/patents)

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

The committee responsible for this document is ISO/TC 61, *Plastics*, Subcommittee SC 6, *Ageing, chemical and environmental resistance*.

This third edition cancels and replaces the second edition (ISO 4892-4:2004), of which it constitutes a minor revision. It also incorporates Technical Corrigendum ISO 4892-4:2004/Corr.1:2005.

ISO 4892 consists of the following parts, under the general title *Plastics — Methods of exposure to laboratory light sources*:

- *Part 1: General guidance*
- *Part 2: Xenon-arc lamps*
- *Part 3: Fluorescent UV lamps*
- *Part 4: Open-flame carbon-arc lamps*