



# SLOVENSKI STANDARD SIST EN ISO 11248:2000

01-maj-2000

---

**Polimerni materiali - Duromerni materiali za oblikovanje - Vrednotenje kratkotrajnih meritev pri povišanih temperaturah (ISO 11248:1993)**

Plastics - Thermosetting moulding materials - Evaluation of short-term performance at elevated temperatures (ISO 11248:1993)

Kunststoffe - Härtbare Formmassen - Beurteilung der Kurzzeit-Leistungsfähigkeit bei erhöhten Temperaturen (ISO 11248:1993)

Plastiques - Matières a mouler thermodurcissables - Evaluation des performances a court terme aux températures élevées (ISO 11248:1993)

[https://standards.iteh.ai/catalog/standards/sist/9976ae7f-9d55-429e-846c-](https://standards.iteh.ai/catalog/standards/sist/9976ae7f-9d55-429e-846c-029ff0dbf203/sist-en-iso-11248-2000)

**Ta slovenski standard je istoveten z: EN ISO 11248:1999**

---

**ICS:**

83.080.10      Duromeri      Thermosetting materials

**SIST EN ISO 11248:2000**      en

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[SIST EN ISO 11248:2000](#)

<https://standards.iteh.ai/catalog/standards/sist/9976ac7f-9d55-429e-846c-029ff0dbf203/sist-en-iso-11248-2000>

EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN ISO 11248**

June 1999

ICS 83.080.00

English version

**Plastics - Thermosetting moulding materials - Evaluation of  
short-term performance at elevated temperatures (ISO  
11248:1993)**

Plastiques - Matières à mouler thermodurcissables -  
Evaluation des performances à court terme aux  
températures élevées (ISO 11248:1993)

Kunststoffe - Härtbare Formmassen - Beurteilung der  
Kurzzeit-Leistungsfähigkeit bei erhöhten Temperaturen  
(ISO 11248:1993)

This European Standard was approved by CEN on 6 May 1999.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

029ff0dbf203/sist-en-iso-11248-2000



EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

Page 2  
EN ISO 11248:1999

## Foreword

The text of the International Standard from Technical Committee ISO/TC 61 "Plastics" of the International Organization for Standardization (ISO) has been taken over as an European Standard by Technical Committee CEN/TC 249 "Plastics", the secretariat of which is held by IBN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by December 1999, and conflicting national standards shall be withdrawn at the latest by December 1999.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

## Endorsement notice

The text of the International Standard ISO 11248:1993 has been approved by CEN as a European Standard without any modification.

NOTE: Normative references to International Standards are listed in annex ZA (normative).

[SIST EN ISO 11248:2000](https://standards.iteh.ai/catalog/standards/sist/9976ae7f-9d55-429e-846c-029ff0dbf203/sist-en-iso-11248-2000)

<https://standards.iteh.ai/catalog/standards/sist/9976ae7f-9d55-429e-846c-029ff0dbf203/sist-en-iso-11248-2000>



**Annex ZA (normative)**  
**Normative references to international publications**  
**with their relevant European publications**

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO 178	1993	Plastics - Determination of flexural properties	EN ISO 178	1996
ISO 291	1997	Plastics - Standard atmospheres for conditioning and testing	EN ISO 291	1997
ISO 295	1991	Plastics - Compression moulding of test specimens of thermosetting materials	EN ISO 295	1998
ISO 527-1	1993	Plastics - Determination of tensile properties - Part 1: General principles	EN ISO 527-1	1996
ISO 604	1993	Plastics - Determination of compressive properties	EN ISO 604	1996

iTeH STANDARD PREVIEW  
 (standards.iteh.ai)

SIST EN ISO 11248:2000  
<https://standards.iteh.ai/catalog/standards/sist/9976ac7f-9d55-429e-846c-029ff0dbf203/sist-en-iso-11248-2000>

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[SIST EN ISO 11248:2000](#)

<https://standards.iteh.ai/catalog/standards/sist/9976ac7f-9d55-429e-846c-029ff0dbf203/sist-en-iso-11248-2000>

INTERNATIONAL  
STANDARD

**ISO**  
**11248**

First edition  
1993-12-01

---

---

**Plastics — Thermosetting moulding  
materials — Evaluation of short-term  
performance at elevated temperatures**  
**iTeh STANDARD PREVIEW**

*(standards.iteh.ai)*  
*Plastiques — Matières à mouler thermodurcissables — Évaluation des  
performances à court terme aux températures élevées*

[SIST EN ISO 11248:2000](https://standards.iteh.ai/catalog/standards/sist/9976ac7f-9d55-429e-846c-029ff0dbf203/sist-en-iso-11248-2000)

<https://standards.iteh.ai/catalog/standards/sist/9976ac7f-9d55-429e-846c-029ff0dbf203/sist-en-iso-11248-2000>



Reference number  
ISO 11248:1993(E)

**ISO 11248:1993(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 11248 was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 12, *Thermosetting materials*.

[SIST EN ISO 11248:2000](https://standards.iteh.ai/catalog/standards/sist/9976ae7f-9d55-429e-846c-029ff0dbf203/sist-en-iso-11248-2000)

<https://standards.iteh.ai/catalog/standards/sist/9976ae7f-9d55-429e-846c-029ff0dbf203/sist-en-iso-11248-2000>

© ISO 1993

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

International Organization for Standardization  
Case Postale 56 • CH-1211 Genève 20 • Switzerland

Printed in Switzerland



## Introduction

Plastic materials, when exposed to heat, may undergo physical and/or chemical changes. The extent of such changes is dependent upon temperature and exposure time. These changes may or may not be evident when the plastic materials are returned to ambient temperature.

In ISO 2578:1993, *Plastics — Determination of time-temperature limits after prolonged exposure to heat* and similar standards, testing is carried out at ambient temperature. In such standards it is primarily the permanent effects of thermal oxidation on plastics exposed to elevated temperatures for extended periods of time which are addressed. Undefined, however, are any high-temperature physical and or chemical changes that occur while the materials are exposed to the elevated temperatures. This International Standard is designed to provide data indicating how plastic materials may perform at elevated temperatures under mechanical and/or electrical stress.

iTeh STANDARD PREVIEW  
(standards.iteh.ai)

[SIST EN ISO 11248:2000](https://standards.iteh.ai/catalog/standards/sist/9976ae7f-9d55-429e-846c-029ff0dbf203/sist-en-iso-11248-2000)

<https://standards.iteh.ai/catalog/standards/sist/9976ae7f-9d55-429e-846c-029ff0dbf203/sist-en-iso-11248-2000>