

Advanced technical ceramics — Mechanical properties of ceramic composites at high temperature under inert atmosphere —

**Determination of compression
properties**

ICS 81.060.20

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Committees responsible for this Draft for Development

The preparation of this Draft for Development was entrusted to Technical Committee RPI/13, Advanced technical ceramics, upon which the following bodies were represented:

- AEA Technology
- Aluminium Federation
- British Ceramic Research Ltd.
- British Industrial Ceramic Manufacturers' Association
- Department of Trade and Industry (National Physical Laboratory)
- Institute of Refractories Engineers
- Ministry of Defence
- Refractories Association of Great Britain
- Society of British Aerospace Companies Ltd.
- University of Manchester

This Draft for Development, having been prepared under the direction of the Sector Board for Materials and Chemicals, was published under the authority of the Standards Board and comes into effect on 15 December 1996

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The following BSI reference relates to the work on this Draft for Development: Committee reference RPI/13

ISBN 0 580 26749 0

Amendments issued since publication

Amd. No.	Date	Comments

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National foreword

This Draft for Development has been prepared by Technical Committee RPI/13 and is the English language version of ENV 12290:1996 *Advanced technical ceramics — Mechanical properties of ceramic composites at high temperature under inert atmosphere — Determination of compression properties*, published by the European Committee for Standardization (CEN).

It is being issued in the Draft for Development series of publications and is of a provisional nature because it is considered that further experience is required in its application before it is converted into a British Standard. It should be applied on this provisional basis, so that information and experience of its practical application may be obtained for reporting to the CEN committee responsible for converting the prestandard into a European Standard.

ENV 12290:1996 was produced as a result of international discussions in which the UK took an active part.

A review of the prestandard will be carried out 2 years after its publication. Submission of comments from users of this publication is requested.

According to the replies received, the responsible BSI committee will judge whether to support the conversion into a European Standard or what other action should be taken.

Comments should be sent in writing to the Secretary of RPI/13, BSI, 389 Chiswick High Road, London W4 4AL quoting the document reference (DD ENV 12290), the relevant clause and proposing, where possible, an appropriate revision of the text.

NOTE International and European Standards as well as overseas standards, are available from Customer Services, BSI, 389 Chiswick High Road, London W4 4AL.

Cross-references

Publication referred to	Corresponding British Standard
EN 10002-2:1992	BS EN 10002 <i>Tensile testing of metallic materials</i> Part 2:1992 <i>Verification of the force measuring system of the tensile testing machine</i>
EN 10002-4:1994	Part 4:1995 <i>Verification of extensometers used in uniaxial testing</i>
EN 60584-2:1993	BS EN 60584 <i>Thermocouples</i> Part 2:1993 <i>Tolerances</i>
ENV 12291:1996	DD ENV 12291:1996 <i>Advanced technical ceramics — Mechanical properties of ceramic composites at high temperature in air at atmospheric pressure — Determination of compression properties</i>

This publication is not to be regarded as a British Standard.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the ENV title page, pages 2 to 14, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

ICS 81.060.20

Descriptors: Composite materials, reinforcing materials, technical ceramics, mechanical properties, tests, determination, compression, testing conditions, test atmospheres

English version

Advanced technical ceramics — Mechanical properties of ceramic composites at high temperature under inert atmosphere — Determination of compression properties

Céramiques techniques avancées — Propriétés mécaniques des céramiques composites à haute température en atmosphère neutre — Détermination des caractéristiques en compression

Hochleistungskeramik — Mechanische Eigenschaften von keramischen Verbundwerkstoffen bei hoher Temperatur in inerter Atmosphäre — Bestimmung der Eigenschaften unter Druck

This European Prestandard (ENV) was approved by CEN on 1996-04-30 as a prospective standard for provisional application. The period of validity of this ENV is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the ENV can be converted into an European Standard (EN).

CEN members are required to announce the existence of this ENV in the same way as for an EN and to make the ENV available promptly at national level in an appropriate form. It is permissible to keep conflicting national standards in force (in parallel to the ENV) until the final decision about the possible conversion of the ENV into an EN is reached.

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

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Foreword

This European Prestandard has been prepared by Technical Committee CEN/TC 184 "Advanced technical ceramics", the secretariat of which is held by BSI.

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

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