

Advanced technical ceramics — Mechanical properties of ceramic composites at room temperature —

Part 5: Determination of interlaminar shear strength by short span bend test (three points)

The European Standard EN 658-5:2002 has the status of a
British Standard

ICS 81.060.30

National foreword

This British Standard is the official English language version of EN 658-5:2002. It supersedes DD ENV 658-5:1993 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee RPI/13, Advanced technical ceramics, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this committee can be obtained on request to its secretary.

Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the *BSI Catalogue* under the section entitled “International Standards Correspondence Index”, or by using the “Search” facility of the *BSI Electronic Catalogue* or of British Standards Online.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 28 February 2003

Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 9 and a back cover.

The BSI copyright date displayed in this document indicates when the document was last issued.

Amendments issued since publication

Amd. No.	Date	Comments

© BSI 28 February 2003

ISBN 0 580 41348 9

English version

Advanced technical ceramics - Mechanical properties of ceramic
composites at room temperature - Part 5: Determination of
interlaminar shear strength by short span bend test (three
points)

Céramiques techniques avancées - Propriétés mécaniques
des céramiques composites à température ambiante -
Partie 5: Détermination de la résistance au cisaillement
interlaminaire par essai de flexion sur appuis rapprochés
(trois points)

Hochleistungskeramik - Mechanische Eigenschaften von
keramischen Verbundwerkstoffen bei Raumtemperatur -
Teil 5: Bestimmung der Scherfestigkeit im Drei-Punkt-
Biegeversuch mit kurzem Auflagerabstand

This European Standard was approved by CEN on 16 October 2002.

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 Management Centre 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 Management Centre 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, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



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

Management Centre: rue de Stassart, 36 B-1050 Brussels

Contents

	page
Foreword	3
1 Scope	4
2 Normative references	4
3 Principle	4
4 Terms, definitions and symbols	4
5 Apparatus	5
5.1 Test machine	5
5.2 Test jig	5
5.3 Dimension measuring devices	6
6 Test specimens	6
7 Test specimen preparation	6
7.1 Machining	6
7.2 Number of test specimens	6
8 Procedure	6
8.1 Displacement rate	6
8.2 Measurement of test specimens	6
8.3 Testing technique	7
8.3.1 Test specimen mounting	7
8.3.2 Measurements	7
8.4 Test validity	7
9 Calculation of results	7
10 Test report	8