



BSI Standards Publication

Advanced technical ceramics — Mechanical properties of monolithic ceramics at room temperature

Part 8: Guidelines for conducting proof
tests

National foreword

This British Standard is the UK implementation of EN 843-8:2010.

The UK participation in its preparation was entrusted to Technical Committee RPI/13, Advanced technical ceramics.

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English Version

**Advanced technical ceramics - Mechanical properties of
monolithic ceramics at room temperature - Part 8: Guidelines for
conducting proof tests**

Céramiques techniques avancées - Propriétés mécaniques
des céramiques monolithiques à température ambiante -
Partie 8: Lignes directrices de conduite d'épreuves

Hochleistungskeramik - Mechanische Eigenschaften
monolithischer Keramik bei Raumtemperatur - Teil 8:
Leitlinien zur Durchführung von Überlast-Prüfungen

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Foreword

This document (EN 843-8:2010) has been prepared by Technical Committee CEN/TC 184 “Advanced technical ceramics”, the secretariat of which is held by BSI.

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EN 843, *Advanced technical ceramics — Mechanical properties of monolithic ceramics at room temperature*, consists of the following nine parts:

- *Part 1: Determination of flexural strength*
- *Part 2: Determination of Young's modulus, shear modulus and Poisson's ratio*
- *Part 3: Determination of subcritical crack growth parameters from constant stressing rate flexural strength tests*
- *Part 4: Vickers, Knoop and Rockwell superficial hardness*
- *Part 5: Statistical analysis*
- *Part 6: Guidance for fractographic investigation*
- *Part 7: C-ring tests*
- *Part 8: Guidelines for conducting proof tests*
- *FprCEN/TS 843-9, Advanced technical ceramics — Mechanical properties of monolithic ceramics at room temperature — Part 9: Method of test for edge-chip resistance*

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