



NSAI
Standards

Irish Standard
I.S. EN 843-7:2010

Advanced technical ceramics - Mechanical properties of monolithic ceramics at room temperature - Part 7: C-ring tests

I.S. EN 843-7:2010

Incorporating amendments/corrigenda/National Annexes issued since publication:

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<i>This document replaces:</i>	<i>This document is based on:</i> EN 843-7:2010	<i>Published:</i> 23 June, 2010
This document was published under the authority of the NSAI and comes into effect on: 29 June, 2010		ICS number: 81.060.30
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ICS 81.060.30

English Version

Advanced technical ceramics - Mechanical properties of monolithic ceramics at room temperature - Part 7: C-ring tests

Céramiques techniques avancées - Propriétés mécaniques
des céramiques monolithiques à température ambiante -
Partie 7: Essais d'échantillons en forme d'anneau en C

Hochleistungskeramik - Mechanische Eigenschaften
monolithischer Keramik bei Raumtemperatur - Teil 7: C-
Ring-Prüfungen

This European Standard was approved by CEN on 13 May 2010.

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Foreword

This document (EN 843-7:2010) has been prepared by Technical Committee CEN/TC 184 “Advanced technical ceramics”, the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by December 2010, and conflicting national standards shall be withdrawn at the latest by December 2010.

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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 tests*
- *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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