
Sodobna tehnična keramika - Monolitna keramika - Mehanske lastnosti pri sobni temperaturi - 3. del: Ugotavljanje parametrov rasti podkritičnih razpok na podlagi preskusov upogibne trdnosti s konstantno hitrostjo obremenjevanja

Advanced technical ceramics - Mechanical properties of monolithic ceramics at room temperature - Part 3: Determination of subcritical crack growth parameters from constant stressing rate flexural strength tests

Hochleistungskeramik - Mechanische Eigenschaften monolithischer Keramik bei Raumtemperatur - Teil 3: Bestimmung der Parameter des unterkritischen Risswachstums aus Biegefestigkeitsprüfungen mit konstanter Spannungsrate

Céramiques techniques avancées - Propriétés mécaniques des céramiques monolithiques à température ambiante - Partie 3: Détermination des paramètres de propagation sous-critique des fissures à partir des essais de résistance à la flexion réalisés à vitesse de contrainte constante

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ICS:

81.060.30 Sodobna keramika Advanced ceramics

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EUROPEAN STANDARD
NORME EUROPÉENNE
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English Version

**Advanced technical ceramics - Mechanical properties of
monolithic ceramics at room temperature - Part 3:
Determination of subcritical crack growth parameters
from constant stressing rate flexural strength tests**

Céramiques techniques avancées - Propriétés
mécaniques des céramiques monolithiques à
température ambiante - Partie 3: Détermination des
paramètres de propagation sous-critique des fissures à
partir des essais de résistance à la flexion réalisés à
vitesse de contrainte constante

Hochleistungskeramik - Mechanische Eigenschaften
monolithischer Keramik bei Raumtemperatur - Teil 3:
Bestimmung der Parameter des unterkritischen
Risswachstums aus Biegefestigkeitsprüfungen mit
konstanter Spannungsrate

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 184.

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European foreword

This document (prEN 843-3:2026) has been prepared by Technical Committee CEN/TC 184 “Advanced technical ceramics”, the secretariat of which is held by DIN.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 843-3:2005.

prEN 843-3:2026 includes the following significant technical changes with respect to EN 843-3:2005:

- a) the scope has been updated to include a clarification on the limitations of the underlying mathematical-physical evaluation method;
- b) the normative references have been updated;
- c) Annex A has been updated to include a criteria for valid data points;
- d) the document has been editorially revised.

A list of all parts in the EN 843 series, published under the general title *Advanced technical ceramics — Mechanical properties of monolithic ceramics at room temperature*, can be found on the CEN website.

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