

Fine ceramics (advanced ceramics, advanced technical ceramics) — Determination of absolute density of ceramic powders by pycnometer

The European Standard EN ISO 18753:2005 has the status of a British Standard

ICS 81.060.30

National foreword

This British Standard was published by BSI. It is the UK implementation of EN ISO 18753:2005. It is identical with ISO 18753:2004. It supersedes BS EN 725-7:1996 which is withdrawn.

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

A list of organizations represented on RPI/13 can be obtained on request to its secretary.

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 cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 29 December 2006

© BSI 2006

ISBN 0 580 49892 1

Amendments issued since publication

Amd. No.	Date	Comments

English Version

Fine ceramics (advanced ceramics, advanced technical ceramics) - Determination of absolute density of ceramic powders by pycnometer (ISO 18753:2004)

Céramiques techniques - Détermination de la masse volumique absolue des poudres céramiques à l'aide d'un pycnomètre (ISO 18753:2004)

Hochleistungskeramik - Bestimmung der absoluten Dichte keramischer Pulver mit einem Pycnometer (ISO 18753:2004)

This European Standard was approved by CEN on 19 September 2005.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, 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

Foreword

The text of ISO 18753:2004 has been prepared by Technical Committee ISO/TC 206 “Fine ceramics” of the International Organization for Standardization (ISO) and has been taken over as EN ISO 18753:2005 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 April 2006, and conflicting national standards shall be withdrawn at the latest by April 2006.

This document supersedes EN 725-7:1995.

CEN/TC 184 has prepared EN 725 Advanced technical ceramics — Methods of test for ceramic powders in twelve parts as follows:

- Part 1: *Determination of impurities in alumina*
- Part 2: *Determination of impurities in barium titanate*
- Part 3: *Determination of oxygen content of non-oxides by thermal extraction*
- Part 4: *Determination of oxygen content of non-oxides by XRF analysis*
- Part 5: *Determination of particle size distribution*
- Part 6: *Determination of specific surface area*
- Part 7: *Determination of absolute density*
- Part 8: *Determination of tapped density*
- Part 9: *Determination of untamped bulk density*
- Part 10: *Determination of compaction properties*
- Part 11: *Determination of the densification on natural sintering*
- Part 12: *Chemical analysis of zirconia*

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

Endorsement notice

The text of ISO 18753:2004 has been approved by CEN as EN ISO 18753:2005 without any modifications.

INTERNATIONAL STANDARD

**ISO
18753**

First edition
2004-08-15

Fine ceramics (advanced ceramics, advanced technical ceramics) — Determination of absolute density of ceramic powders by pycnometer

*Céramiques techniques — Détermination de la masse volumique
absolue des poudres céramiques à l'aide d'un pycnomètre*



Reference number
ISO 18753:2004(E)

AVA Documents
Document Sharing Hub