BS EN ISO 21068-1:2024

BSI Standards Publication

Chemical analysis of raw materials and refractory products containing silicon-carbide, silicon-nitride, silicon-oxynitride and sialon

Part 1: General information, terminology and sample preparation

Documents
Document Sharing Hub

Full document details: BS EN ISO 21068-1:2024

National foreword

This British Standard is the UK implementation of EN ISO 21068-1:2024. It is identical to ISO 21068-1:2024. It supersedes BS EN ISO 21068-1:2008, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee RPI/1, Refractory products and materials.

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

Contractual and legal considerations

This publication has been prepared in good faith, however no representation, warranty, assurance or undertaking (express or implied) is or will be made, and no responsibility or liability is or will be accepted by BSI in relation to the adequacy, accuracy, completeness or reasonableness of this publication. All and any such responsibility and liability is expressly disclaimed to the full extent permitted by the law.

This publication is provided as is, and is to be used at the recipient's own risk.

The recipient is advised to consider seeking professional guidance with respect to its use of this publication.

This publication is not intended to constitute a contract. Users are responsible for its correct application.

© The British Standards Institution 2024
Published by BSI Standards Limited 2024

ISBN 978 0 539 20081 2

ICS 81.080

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 31 May 2024.

Amendments/corrigenda issued since publication

Date	Text affected

Documents
Document Sharing Hub

Full document details: BS EN ISO 21068-1:2024

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 21068-1

May 2024

ICS 81.080

Supersedes EN ISO 21068-1:2008

English Version

Chemical analysis of raw materials and refractory products containing silicon-carbide, silicon-nitride, silicon-oxynitride and sialon - Part 1: General information, terminology and sample preparation (ISO 21068-1:2024)

Analyse chimique des matières premières et des produits réfractaires contenant du carbure de silicium, nitrure de silicium, oxynitrure de silicium et sialon - Partie 1: Informations générales, terminologie et préparation des échantillons (ISO 21068-1:2024)

Chemische Analyse von Rohstoffen und feuerfesten Erzeugnissen, die Siliziumcarbid, Siliziumnitrid, Siliziumoxynitrid und Sialon enthalten - Teil1: Allgemeine Angaben und Probenvorbereitung (ISO 21068-1:2024)

This European Standard was approved by CEN on 4 May 2024.

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 CEN-CENELEC 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 CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and United Kingdom.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

© 2024 CEN All rights of exploitation in any form and by any means reserved worldwide for CEN national Members.

Ref. No. EN ISO 21068-1:2024 E

Documents
Document Sharing Hub

Full document details: BS EN ISO 21068-1:2024

European foreword

This document (EN ISO 21068-1:2024) has been prepared by Technical Committee ISO/TC 33 "Refractories" in collaboration with Technical Committee CEN/TC 187 “Refractory products and materials” 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 November 2024, and conflicting national standards shall be withdrawn at the latest by November 2024.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN ISO 21068-1:2008.

Any feedback and questions on this document should be directed to the users’ national standards body/national committee. A complete listing of these bodies can be found on the CEN website.

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

Endorsement notice

The text of ISO 21068-1:2024 has been approved by CEN as EN ISO 21068-1:2024 without any modification.

Documents
Document Sharing Hub

Full document details: BS EN ISO 21068-1:2024

Contents

Page

Foreword ..... **iv**
Introduction ..... **v**
1 Scope **1**
2 Normative references **2**
3 Terms and definitions **2**
4 Sampling and preparation of the test sample **4**
4.1 General 4
4.2 Sample pre-treatment 4
4.2.1 General 4
4.2.2 Crushing 4
4.2.3 Thermal pre-treatment – Drying 4
5 Preliminary analyses **5**
6 Expression of results **5**
7 Test report **5**
Bibliography **6**

© ISO 2024 – All rights reserved

Documents
Document Sharing Hub
Full document details: BS EN ISO 21068-1:2024