BS ISO 15379-1:2015

BSI Standards Publication

Carbonaceous materials for the production of aluminium — Cathode block materials

Part 1: Determination of the expansion due to sodium penetration with application of pressure

bsi.

...making excellence a habit.™

Document Sharing Hub

Full document details: BS ISO 15379-1:2015

National foreword

This British Standard is the UK implementation of ISO 15379-1:2015. It supersedes BS ISO 15379-1:2004 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee CII/24, Raw materials for the aluminium industry.

A list of organizations represented on this committee 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.

© The British Standards Institution 2015. Published by BSI Standards Limited 2015

ISBN 978 0 580 87020 0

ICS 71.100.10

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 2015.

Amendments issued since publication

Date	Text affected

Documents
Document Sharing Hub

Full document details: BS ISO 15379-1:2015

INTERNATIONAL STANDARD

ISO 15379-1

Second edition
2015-05-15

Carbonaceous materials for the production of aluminium — Cathode block materials —

Part 1: Determination of the expansion due to sodium penetration with application of pressure

Produits carbonés utilisés pour la production de l'aluminium — Blocs cathodiques —

Partie 1: Détermination de l'expansion due à la pénétration du sodium avec application de pression

Reference number
ISO 15379-1:2015(E)

Documents
Document Sharing Hub

© ISO 2015

Full document details: BS ISO 15379-1:2015

COPYRIGHT PROTECTED DOCUMENT

© ISO 2015, Published in Switzerland

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

© ISO 2015 – All rights reserved

Documents
Document Sharing Hub

Full document details: BS ISO 15379-1:2015

Contents

Page

Foreword ..... **iv**
Introduction ..... **v**
1 Scope **1**
2 Normative references **1**
3 Principle **1**
4 Apparatus **1**
5 Reagents **2**
6 Samples **3**
7 Procedure **3**
8 Results **4**
8.1 Calculation 4
8.2 Precision 4
9 Test report **4**

© ISO 2015 – All rights reserved

Documents
Document Sharing Hub
Full document details: BS ISO 15379-1:2015

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2. www.iso.org/directives

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received. www.iso.org/patents

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT), see the following URL: Foreword — Supplementary information.

The committee responsible for this document is ISO/TC 226, *Materials for the production of primary aluminium*.

This second edition cancels and replaces the first edition (ISO 15379-1:2004), which has been technically revised.

ISO 15379 consists of the following parts, under the general title *Carbonaceous materials for the production of aluminium — Cathode block materials:*

— *Part 1: Determination of the expansion due to sodium penetration with application of pressure*

— *Part 2: Determination of the expansion due to sodium penetration without application of pressure*

© ISO 2015 – All rights reserved
Documents
Document Sharing Hub
Full document details: BS ISO 15379-1:2015