

Methods of sampling and test for

Carbonaceous materials used in aluminium manufacture —

Part 1: Electrode pitch —

Section 1.10 Determination of volatile
matter content

UDC 669.713.7:665.775:543.71

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Chemicals Standards Policy Committee (CIC/-) to Technical Committee CIC/24, upon which the following bodies were represented:

- Aluminium Federation
- British Ceramic Research Ltd.
- Chemical Industries Association
- Institute of Petroleum
- Refractories Association of Great Britain

This British Standard, having been prepared under the direction of the Chemicals Standards Policy Committee, was published under the authority of the Standards Board and comes into effect on 15 May 1994

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The following BSI references relate to the work on this standard:
Committee reference CIC/24
Draft for comment 93/505979 DC

ISBN 0 580 22853 3

Amendments issued since publication

Amd. No.	Date	Comments
8442	January 1995	Indicated by a sideline in the margin

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Foreword

This Section of BS 6043 has been prepared under the direction of the Chemicals Standards Policy Committee. BS 6043 provides methods of sampling and test for carbonaceous materials used in aluminium manufacture. The standard is published in four Parts, each Part being divided into Sections.

Part 1 comprises a series of methods of test for electrode pitch as follows.

Section	Subject	Identical with
1.1	Sampling	ISO 6257
1.2	Water content (Dean and Stark method)	ISO 5939
1.3	Softening point (ring and ball method)	ISO 5940
1.4	Content of toluene-insoluble material	ISO 6376
1.5	Content of quinoline-insoluble material	ISO 6791
1.6	Coking value	ISO 6998
1.7	Density	—
1.8	Ash	ISO 8006
1.9	Sulfur content	ISO 9055
1.10	Volatile matter content (gas chromatographic method)	—
1.11	Atomic C/H ratio of quinoline-insoluble material	—
1.12	Mesophase content	—
1.13	Sulfur content (routine method)	—

Other international methods of test for electrode pitch are under consideration and, subject to approval by the United Kingdom, will be published as British Standards as they become available.

It is essential to use BS 6043-1.1 in conjunction with this Section of BS 6043.

This British Standard calls for the use of substances and/or procedures that may be injurious to health if adequate precautions are not taken. It refers only to technical suitability and does not absolve the user from legal obligations relating to health and safety at any stage.

This standard describes a method of test only, and should not be used or quoted as a specification defining the characteristics of a product. Reference to this Section should state that the method of test used is in accordance with BS 6043-1.10:1994.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

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This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.