

Derivatives from coal pyrolysis — Coal tar and pitch based binders and related products: briquetting pitch — Characteristics and test methods

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British Standard

ICS 75.140; 91.100.50

National foreword

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English version

Derivatives from coal pyrolysis - Coal tar and pitch based binders and related products : briquetting pitch - Characteristics and test methods

Produits dérivés de la pyrolyse du charbon - Liants à base de goudron et brais issus de la houille et produits connexes: brai mi-dur d'agglomération - Caractéristiques et méthodes d'essai

Derivate der Kohlenpyrolyse - Bindemittel aus Steinkohlenteer und Steinkohlenteerpech und verwandte Produkte: Briquettpesch - Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 27 June 2003.

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Foreword

This document (EN 14262:2003) has been prepared by Technical Committee CEN/TC 317, "Derivatives from coal pyrolysis", the secretariat of which is held by IBN.

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of an identical text or by endorsement, at the latest by February 2004, and conflicting national standards shall be withdrawn at the latest by February 2004.

Annex A is informative.

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

1 Scope

This European Standard gives the methods of test required to determine the characteristics for "briquetting pitch" used as industrial purposes.

Depending on the required application and the desired properties of the end product, different grades of briquetting pitches are available.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 13847:2001, Coal tar and pitch based binders and related products - Terminology and classification

DIN 51920, Testing of carbon materials; determination of the Mettler softening point, binding and impregnating materials

ISO 8006, *Carbonaceous materials used in the production of aluminium - Pitch for electrodes - Determination of ash*

ISO 5939, *Carbonaceous materials for the production of aluminium - Pitch for electrodes - Determination of water content - Azeotropic distillation (Dean and Stark) method*

ISO 6257, *Carbonaceous materials used in the production of aluminium - Pitch for electrodes - Sampling*

3 Terms and definitions

For the purposes of this standard, the terms and definitions in EN 13847:2001 apply.

4 Classification

For the purposes of this standard, the classification according EN 13847:2001 applies.

5 Characteristics

5.1 Softening point

5.2 Ash content

5.3 Water content

6 Specifications

Specifications requested by the customers shall be applied.

The typical values given in Annex A can be used as requirements.

7 Sampling

ISO 6257 specifies methods for sampling and preparing samples for testing of briquetting pitch.

These methods are applicable to all grades of briquetting pitch in solid form, in a number of containers making up one batch at sites of manufacture, storage of delivery.

8 Test methods

For the determination of the characteristics according to clause 5, the methods listed in Table 1 have to be used.

Table 1 — Test methods

Characteristic	Test methods
Water content	ISO 5939
Softening point	DIN 51920
Ash content	ISO 8006

Annex A (informative)

Typical values

The typical values in Table A.1 can be used as requirements of the briquetting pitch.

Table A.1 — Typical values

Softening point	50 °C to 130 °C
Ash content	0,1 % to 1 %
Water content	0 % to 5 %

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