

# Derivatives from coal pyrolysis — Carbon black feedstock — Specifications and test methods

The European Standard EN 14155:2003 has the status of a  
British Standard

ICS 71.060.10

## National foreword

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English version

## Derivatives from coal pyrolysis - Carbon black feedstock - Specifications and test methods

Produits dérivés de la pyrolyse du charbon - Produits à  
base de goudron de charbon: Substrats de noir de carbone  
- Spécifications et méthodes d'essai

Derivate der Kohlenpyrolyse - Rußrohstoff aus  
Steinkohlenteeröl - Anforderungen und Prüfverfahren

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## Foreword

This document (EN 14155:2003) has been prepared by Technical Committee CEN /TC 317, "Derivatives from coal pyrolysis", the secretariat of which is held by IBN.

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## 1 Scope

This European Standard defines the specifications and the test methods for carbon black feedstock i.e. coal tar, coal tar fractions or coal tar distillates used for the manufacture of carbon black.

## 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 241, *Liquid petroleum products – Determination of sodium content – Atomic absorption spectrometric method.*

EN 1014-1, *Wood preservatives - Creosote and creosoted timber - Methods of sampling and analysis - Part 1 : Procedure for sampling creosote.*

EN 12303:2000, *Coal tar based oils - Terminology.*

prEN 13991, *Derivatives from coal pyrolysis – Coal tar based oils : creosotes - Specifications and test methods.*

EN ISO 2719, *Determination of flash point - Pensky-Martens closed cup method (ISO 2719:2002).*

EN ISO 3675, *Crude petroleum and liquid petroleum products - Laboratory determination of density - Hydrometer method (ISO 3675:1998).*

EN ISO 6245, *Petroleum products - Determination of ash (ISO 6245:2001).*

ISO 760, *Determination of water - Karl Fischer method (General method).*

ISO 3733, *Petroleum products and bituminous materials - Determination of water - Distillation method.*

ISO/DIS 14435, *Carbonaceous materials for the production of aluminium – Petroleum coke – Determination of trace metals by inductively coupled plasma atomic emission spectrometry.*

## 3 Terms and definitions

For the purposes of this European standard, the terms and definitions given in EN 12303:2000 apply.

## 4 Sampling

Samples for the assessment of the characteristics listed in Table 1 shall be taken in accordance with EN 1014-1.

## 5 Specifications and test methods

The specifications and the test methods are given in Table 1.

**Table 1 — Specifications and test method**

Parameter	Minimum	Maximum	Test Method
Density at 15 °C (kg/m <sup>3</sup> )	960	1200	EN ISO 3675
Water content (m/m) %		0,5	ISO 760 <sup>a</sup>
Flash point (°C)	61		EN ISO 2719
Sodium content (mg/kg)		50	EN 241
			Alternative method ISO/DIS 14435 <sup>b</sup>
Ash (m/m) %		0,5	EN ISO 6245
Crystallization temperature (°C)		100	prEN 13991
<sup>a</sup> As an alternative, the distillation method of ISO 3733 may be used			
<sup>b</sup> For sodium content determination of coal tar based oils, melting with lithium borate is not used.			

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