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Hard coal — Determination of Hardgrove grindability index

Houille — Détermination de l'indice de broyabilité Hardgrove

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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

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Foreword

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The committee responsible for this document is ISO/TC 27, *Solid mineral fuels,* Subcommittee SC 5, *Methods of analysis*.

This third edition cancels and replaces the second edition (ISO 5074:1994), which has been technically revised.

Introduction

The Hardgrove grindability test and test machinery are designed and developed to characterize the relative grindability of coals. The Hardgrove grindability index represents a composite physico-mechanical property of the coal, embracing a number of specific properties such as hardness, strength, tenacity and fracture, and is a function primarily of coal rank and secondarily of coal type. Two of the important variables that can influence the result of this determination are the method of sample preparation, which involves selective grinding of the coal, and the moisture content of the coal. The Hardgrove grindability index is used empirically to estimate the capacity and power consumption of a pulverizer, given a specified product fineness.