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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 24528-2009

Carbon materials -- Determination method of the bulk density

炭素材料体积密度测定方法

(English Translation)

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Foreword

This Standard was proposed by China Iron and Steel Association.

This Standard shall be under the jurisdiction of National Technical Committee for Standardization of Steel.

Drafting organizations of this Standard. Sinosteel Jilin Carbon Co., Ltd., and China Metallurgical Information and Standardization Research Institute.

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Carbon Materials -

Determination Method of the Bulk Density

1 Scope

This Standard specifies the principle, apparatus, specimen, test procedures and result calculation for the determination of bulk density of carbon materials.

This Standard is applicable to determination of bulk density of carbon materials at room temperature.

2 Normative References

The provisions in following documents become the provisions of this Standard through reference in this Standard. For dated references, the subsequent amendments (excluding corrigendum) or revisions do not apply to this Standard, however, parties who reach an agreement based on this Standard are encouraged to study if the latest versions of these documents are applicable. For undated references, the latest edition of the referenced document applies.

GB/T 1427 Sample Method of Carbon Material

GB/T 8170 Rules of Rounding off for Numerical Values & Expression and Judgement of Limiting Values

3 Principle

The bulk density of carbon materials indicates the mass of unit volume including the porosity.

4.2 Blast drying oven. it is equipped with automatic temperature control device, which can maintain the temperature at (105 ~ 110) °C.

4.3 Vernier caliper. measuring range (0~ 200)mm, accuracy 0.02mm.

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