

ICS 25.100.70

CCS J43



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

GB/T 13826-2008

Replacing GB/T 13826-1992

Wet type (non-metallic)friction materials

湿式(非金属类)摩擦材料

Issued on: June 19, 2008

Implemented on: January 1, 2009

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China;
Standardization Administration of China**

Table of Contents

- 1 Scope
- 2 Normative references
- 2.0 A - - 0.15 ~ 0.19 0.15 ~ 0.19 0.15 ~
- 4.2.1 Friction coefficient

Foreword

This standard replaces GB/T 13826-1992 "wet (non-metallic) friction materials," the main technical content and GB/T 13826-1992 Compared with the following changes.

- Increased the preamble;
- Modify the original standard coefficient of static friction and dynamic friction coefficient;
- Modify the original standard rate of wear of the wet friction material, dual wear rate. This standard, Annex A, Annex B normative appendix. The standard proposed by China Machinery Industry Federation. This standard layer Standardization Technical Committee (SAC/TC57) administered by the National Metal and non-metal cover. This standard was drafted. Wuhan Institute of Material Protection, Chongqing Yihua Technology Development Co., Ltd., Anhui Horse Group Co., Ltd., Hangzhou Friction Materials Co. longevity. The main drafters of this standard. Yao Huajun, He Qian, Shao XinAn, Ren Changming. This standard replaces the standards previously issued as follows:
- GB/T 13826-1992. Wet (non-metal) friction materials

1 Scope

GB/T 13826-2008 is the Chinese national standard on wet type (non-metallic)friction materials, in the field of manufacturing engineering. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 19 June 2008 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 January 2009. Classification: ICS 25.100.70, CCS J43. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the wet (non-metallic) friction material (hereinafter referred to as the wet friction material) technical requirements. Wet paper friction materials and other wet This standard applies to non-metal binder resin for friction material, the rule does not apply powder Gold friction material.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 5766 friction materials Rockwell hardness measurement method

GB/T 3141 Industrial liquid lubricants - ISO viscosity classification (GB/T 3141-1994, eqv ISO 3448.1992) Category

3 Categories wet friction material are shown in Table 1. Table

1 Classification wet friction material Type of material use category A paper-based cars, tractors, construction machinery and other clutch plate B Other non-metal (molded resin-based, rubber-based friction materials, etc.) and other motorcycle clutch plate 4. Technical Requirements

4.1 Physical properties The physical properties of the wet friction material are shown in Table 2, which specifies the value determined by the supply and demand sides within the following ranges. Table

2 Physical properties of the wet friction material Species density/(g/cm³) Porosity /% Hardness/HRM A 0.6 ~ 3.0 25 ~ 50 - B 1.0 ~ 1.3 - 50 ~ 80

4.2 friction and wear properties

2.0 A - - 0.15 ~ 0.19 0.15 ~ 0.19 0.15 ~

0.19 B 0.15 ~ 0.22 0.15 ~ 0.22 0.15 ~ 0.22 - -

Note. The table is friction coefficient of dynamic friction coefficient at 1000,2000,3000r/min conditions.

4.2.1 Friction coefficient

4.2.1.1 Class A coefficient of static friction of not less than 0.15; class B is not less than 0.24.

4.2.1.2 reduction than in the corresponding dynamic friction coefficient values
should be within the range specified in Table 3 of the. Table 3 dynamic friction

coefficient species Specific pressure/MPa 0.2 0.3 0.5 1.0

chinastandards.org · PREVIEW