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

GB/T 6646.1-1986

GB/T 6646.2-1986; GB/T 6646.3-1986; GB/T 6646.4-1986; GB/T 6646.5-1986; GB/T 6646.6-1986; GB/T 8073-1987

**Chrysotile asbestos test methods
(English Translation)**

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4.1 Dry classification method for the determination and inclusion

Foreword

This standard replaces GB/T 6646.1-1986 "chrysotile fibers dry classification method", GB/T 6646.2-1986 "chrysotile fiber length of wet classification method ", GB/T 6646.3-1986" chrysotile fiber length rapid wet classification method ", GB/T 6646.4-1986" Wen Determination of asbestos than the surface area ", GB/T 6646.5-1986" grit and determination in the undissociated chrysotile asbestos content " GB/T 6646.6-1986 "chrysotile Moisture Determination", GB/T 8073-1987 "Determination of wet asbestos release of" Seven standard.

This standard is compared with the above criteria, this standard is mainly the following modifications.

- The above seven standards into one standard;
- Increase the quality test sieve sieve;
- Increase the quality requirements of the test water;
- Increased the amount of fines rapid determination method;
- Increased sand content determination method;
- Increasing the bulk density determination.

The Standard Appendix A, Appendix B are informative appendices.

The standard proposed by China Building Materials Industry Association.

The standard and non-metallic mineral products by the National Standardization Technical Committee (SAC/TC406) centralized.

This standard was drafted. Xianyang Institute of non-metallic minerals.

1 Scope

This standard specifies the dry classification method for the determination and inclusion of chrysotile asbestos products, wet classification method, rapid wet classification method, the specific surface area determination, grit and determination not release chrysotile content method, moisture determination, release cotton determination method, amount of fines Rapid Determination, grit determination method, bulk density determination.

This standard applies to the election machine chrysotile product quality testing. Other mineral fibers can also refer to adopt.

2 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 6003.1 Test sieves of metal wire cloth GB 8072 chrysotile asbestos sampling and sample preparation method

3 General requirements

3.1

In addition to dry classification methods, other test methods used in the screen shall comply with GB/T 6003.1 requirements.

3.2

All the test water, the water temperature are 11 °C ~ 31 °C, the water must not contain visible sand, impurities and float.

Test Method 4

4.1.1 Equipment and instruments

a) chrysotile fibers Sieve. Model F500-I; Speed. 300r/min; mesh sieve aperture and wire diameter are shown in Table 1.

Table 1 F500-I-type mesh sieve classification requirements in millimeters

Project	First level	Second level	Third level	Sieve aperture
	12.5 x 12.5	4.75 x 4.75	1.40 x 1.40	
Screen wire diameter	2.65 ± 0.04	1.6 ± 0.02	1.18 ± 0.015	

b) balance. load is not less than 1000g, dividing the value of not more than 1.0g one;

Load is not less than 50g, dividing the value of not more than 0.01g one;

c) tweezers.

4.1.2 Sample Preparation

GB 8072 prepared by two samples of 500g. Water samples shall not exceed 3%, if exceeded, according to the standard 4.6 drying.

4.1.3 Test procedure

4.1.3.1

Adjustment of chrysotile fibers Sieve counter, so that the final result is $600r \pm 0.5r$.

4.1.3.2

The order placed on a screen by screen box frame. It should ensure that lined the upper and lower sets of positive.

4.1.3.3

The sample is placed in a container with GB 8072 in blenders conditioning to fully loose. Along the longitudinal direction evenly into the screen box sieve Box.

4.1.3.4

cover screen cover, tighten the hand wheel.