

ICS 83.080.20

CCS G 32



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

GB/T 21843-2008

**Plastics -- Vinyl chloride homopolymer and copolymer resins --
Particle size determination by mechanical sieving**

塑料 氯乙烯均聚和共聚树脂 用机械筛测定粒径

(English Translation)

Issued on: May 15, 2008

Implemented on: November 1, 2008

Issued by: Standardization Administration of China

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Foreword

This revised standard adopts ISO 22498:2005 (E) "vinyl chloride homopolymer and copolymer resin particle size was measured using a mechanical sieve" (English Version).

This standard is based on ISO 22498. redraft 2005 (E), and its main technical differences are as follows.

- Normative references cited in the standards are not identical with the corresponding international standards;
- Modify the calculation and expression of results, increasing the deviation sieve residue requirements;
- Chapter 10, "precision" no data, therefore deleted.

For ease of use, this standard made the following editorial changes.

- a) "this International Standard" be replaced by "this standard";
- b) use a decimal point instead of a decimal comma " , " . " , " ;
- c) Remove the preface to the international standards.

The standard proposed by China Petroleum and Chemical Industry Association.

This standard by the National Standardization Technical Committee of plastic PVC resin product Club (SAC/TC15/SC7) centralized.

This standard was drafted. Jinxi Chemical Industry Research Institute, China Petrochemical Qilu Company Ltd. chlor-alkali plants, Zhejiang Juhua Co., the company Hydro plant.

1 Scope

This standard specifies the quality by measuring the resin remaining on the selected sieve having a mesh size of the different measurement of vinyl chloride homo- and Copolymerization resin particle size distribution.

The results can be a single sieve residue on the entire sample or the average particle size to represent.

This method is not recommended mesh size of less than 0.038mm sieve.

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 2411 plastic Shore hardness test methods [GB/T 2411-1980, ISO 868.

1978Plasticsandebonite-De-terminationofindentationhardnessbymeansofadurometer (Shorehardness), MOD] GB/T 6005 Test sieves - Metal wire cloth, perforated plate and basic dimensions electroformed sheet mesh (GB/T 6005-1997, ISO 565:1990, MOD)

3 Terms and Definitions

The following terms and definitions apply to this standard.

At the end of the testing process, it remains in the sieve of a given resin, to represent the mass fraction.

At the end of the testing process, remain bottom of the screen group or a resin material receiving disc under a single screen in order to represent the mass fraction.

Single value, accurate to 0.001mm, the main representative of the entire particle samples.

Principle 4

By mechanical shaking, the resin sample is sieved through a sieve or a single set of different mesh size sieve. If the selection of several sieve sieve composition Group, should increase the mesh size sieve assembly upward order to make the maximum mesh size sieve placed on top.

5 Material

5.1

antistatic agent, aluminum oxide powder, carbon black or equivalent.

5.2

Without glue block, Shore A hardness (70 to 80) with size of 40mm x 10mm x 15mm.

6 Instruments

6.1

Balance, accurate to 0.001g.