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

GB/T 2916-2007

Replacing GB/T 2916-1997

**Plastic -- Vinyl chloride homopolymer and copolymer resins --
Sieve analysis using air-jet sieve apparatus**

塑料 氯乙烯均聚和共聚树脂 用空气喷射筛装置的筛分析

(English Translation)

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Foreword

This revised standard adopts ISO 4610:2001 "Plastics - Vinyl chloride homopolymer and copolymer resins with an air jet sieve apparatus sieve analysis" (English Version) (September 22, 2006 confirmation).

This standard is based on ISO 4610:2001 re-drafting, its main technical differences are as follows.

- Increased antistatic agent size requirements (Chapter 5 of this standard);
- Increasing the parallel determination of deviation and associated requirements (Chapter 8 of this standard);
- Remove the "precision" chapter (ISO 4610. Chapter 9 in 2001).

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.

This standard replaces GB/T 2916-1997 "vinyl chloride homopolymer and copolymer resins by means of an air jet sieve sieve analysis." this standard compared with GB/T 2916-1997 The main changes are as follows.

- Added "sampling" chapter, and in this particular fine particle size range given resin (Chapter 4 of this edition);
- Deleted (Chapter 1997 4th Edition) chapter "sample";
- Added "sample preparation" (Chapter 5 edition) chapter;

- Added a sieve residue less when it is necessary to extend the screening time requirements (Chapter 7 edition);
- Test report adds five requirements (Chapter 8, 1997; Chapter 9 edition);
- The amount of added antistatic agent mass fraction of the original increase of 0.1% to 0.5% (1997 Edition Chapter 4; Chapter 5 edition);
- Remove the extended time when sieved particle size distribution test requirements (1997 version 6.3).

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, Hubei Yihua Group Limited Liability Company.

1 Scope

This standard specifies the "suspension", "body" and "emulsion" polymerization process flows easily produced vinyl chloride homopolymer and copolymer resins sieve Determination of residue and particle size distribution, and control of these features help to ensure consistent and predictable feed processing performance.

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 6005 Test sieves - Metal wire cloth, perforated plate and basic dimensions electroformed sheet mesh (GB/T 6005-1997, eqv ISO 565:1990)

3 Terms and Definitions

The following terms and definitions apply to this standard.

After the test, the resin remaining on the sieve to represent the mass fraction.

4 Sampling

Sample shipments of the resin from a representative, the sample was sufficient to remove the resin particle size distribution measurement.

Typically each screening should use 25g. For (80 to 100) fine particle resin μm between the application of this standard, use a small amount of trees Fat, such as 10g.

5 Sample preparation

Unless otherwise specified, the sample is received assay (ie delivered).

If the sample is not the date of receipt of the analysis should be stored in an airtight container at room temperature in.

To prevent static electricity caused by the resin screening difficult, antistatic agents may be added in the resin, such as a mass fraction of 0.5% large particle size Sieve aperture on gamma- alumina. Unless otherwise specified, an antistatic agent should be added at the beginning of the analysis into the resin.

6 Instruments

6.1

sieve, round, screen surface diameter of 200mm. Each sieve frame and mesh made of metal. Screen according to GB/T 6005 regulations.

It should be based on the measured particle size distribution resin requirements and selection sieve apertures.

Note: A suitable method is the use of ultrasonic cleaning sieve cleaning device containing water and cleaning agents.

6.2

air jet sieve (see Fig. 1) by receiving a sieve (6.1) consisting of a box, at the bottom there is an outlet for suction and a Air inlet. Box with a transparent cover is preferably covered.

The air inlet is equipped with a rotary injector, the injector is immediately below the screen by the radial arrangement of the slit nozzle arrangement, when it rotates when discharged to air continuously through a sieve, so that the particles remain in suspension.