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JIS K 6828-3 : 2003

(JEIA/JSA)

**Plastics—Polymer dispersions—
Determination of sieve residue
(gross particle and coagulum
content)**

ICS 83.080.01; 87.040

Reference number : JIS K 6828-3 : 2003 (E)



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Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee according to the proposal of establishing a Japanese Industrial Standard from Japan Emulsion Industry Association (JEIA)/the Japanese Standards Association (JSA), with a draft of Industrial Standard based on the provision of Article 12 Clause 1 of the Industrial Standardization Law.

Consequently, **JIS K 6828** is withdrawn and replaced with **JIS K 6828-1**, **JIS K 6828-2** and **JIS K 6828-3**.

This Standard has been made based on **ISO 4576 : 1996** *Plastics—Polymer dispersions—Determination of sieve residue (gross particle and coagulum content)* for the purposes of making it easier to compare this Standard with International Standard; to prepare Japanese Industrial Standard conforming with International Standard; and to propose a draft of an International Standard which is based on Japanese Industrial Standard.

Attention is drawn to the possibility that some parts of this Standard may conflict with a patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have technical properties. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have the said technical properties.

JIS K 6828 consists of the following parts with the general title *Plastics—Polymer dispersions*.

Part 1 : Determination of non-volatile matter (residue) at specified temperatures

Part 2 : Determination of white point temperature and minimum film-forming temperature

Part 3 : Determination of sieve residue (gross particle and coagulum content)

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In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

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Plastics—Polymer dispersions— Determination of sieve residue (gross particle and coagulum content)

Introduction This Japanese Industrial Standard has been prepared based on the fifth edition of **ISO 4576** *Plastics—Polymer dispersions—Determination of sieve residue (gross particle and coagulum content)* published in 1996 with some modifications the technical contents.

The portions underlined with dots in this Standard are not stated in the original International Standard. The modified contents and their explanations are shown in Annex 1 (informative).

1 Scope This Standard specifies a method of determining the sieve residue (gross particle and coagulum content) of polymer dispersions, i.e. of particles much greater in diameter than the mean diameter of the other particles.

This determination is carried out by sieve analysis. The sieves used depend on the type of dispersion under test and are in consequence to be specified, or agreed upon by the interested parties, for each dispersion or group of closely related dispersions.

This Standard refers only to coagulum-type content. Skinned material and fragments of skin larger than 5 mm are avoided while taking the sample.

Remarks : The International Standard corresponding to this Standard is as follows.

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21**.

ISO 4576 : 1996 *Plastics—Polymer dispersions—Determination of sieve residue (gross particle and coagulum content)* (MOD)

2 Normative references The following standards contain provisions which, through reference in this Standard, constitute provisions of this Standard. If the indication of the year of publication is given to these referred standards, only the edition of indicated year constitutes the provision of this Standard but the revision and amendment made thereafter are not applied. The normative references without the indication of the year of coming into effect apply limiting only to the most recent edition (including amendments).

JIS K 5600-1-2 *Testing methods for paints—Part 1 : General rules—Section 2 : Sampling*

NOTE **ISO 15528** : 2000 *Paints, varnishes and raw materials for paints and varnishes—Sampling* is identical with the said standard.

Information : **ISO 1625** refers to **ISO 842** : 1984 abolished in 2000 and replaced with **ISO 15528**.