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**PETROLEUM CHEMICAL INDUSTRY STANDARD OF
THE PEOPLE'S REPUBLIC OF CHINA**

中华人民共和国石油化工业标准

SH/T 1541-2006

Replacing SH/T1541-1993

**Test method for appearance of thermoplastic
granules**

热塑性塑料颗粒外观试验方法

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Foreword

This standard replaces SH/T 1541-1993 *Test Method for Appearance of Thermoplastic Granules*.

The major changes with respect to SH/T 1541-1993 are as follows:

- The high-density polyethylene, low-density polyethylene, and linear low-density polyethylene to which this standard is applicable are combined to be generally called polyethylene (PE) in the scope (chapter 1).
- Styrene-acrylonitrile (SAN) resin and modified plastics are added in the scope (chapter 1).
- The undated documents in the normative references are changed to be dated documents (chapter 2).
- The chapter of terms and definitions is added (chapter 3).
- It is specified that granules include fines and broken grains (3.4).
- The definitions of snake skin particles, floccules, and bubbled grains are added (3.5, 3.6, 3.7, and 3.8).
- The nest of test sieves is described according to GB/T 6003.2-1997 (5.1).
- Adequate shaking “in the horizontal direction” is supplemented after the nest of test sieves is assembled (7.2).
- The chapter of “result representation” is added (chapter 8).

Test Method for Appearance of Thermoplastic Granules

1 Scope

This standard specifies the test method for the appearance of thermoplastic granules.

This standard is applicable to uncolored granular resins of polyethylene (PE), polypropylene (PP), polystyrene (PS), high impact polystyrene (PS-I), acrylonitrile-butadiene-styrene (ABS), styrene-acrylonitrile (SAN), etc.

This standard is applicable to modified plastics as well.

This standard is not applicable to the powder in thermoplastic plastics.

2 Normative references

The articles contained in the following documents have become this document when they are quoted herein. For the dated documents so quoted, all subsequent modifications (including all corrections) or revisions made thereafter do not apply to this standard. However, the parties that reach an agreement according to this standard are encouraged to study whether the latest versions of these documents may be used. For the undated documents so quoted, the latest versions (including all modification sheets) apply to this document.

GB/T 6003.2-1997 Test sieves of perforated metal plate (eqv ISO 3310-2: 1990)

3 Terms and definitions

For the purpose of this standard, the following terms and definitions shall apply.

3.1 Black granule

Black particles and dark brown particles.

3.2 Colored granule

Particles with other colors in addition to the colors black grains and resins have.

3.3 Large granule

Particles whose size is larger than 5mm in any direction, including doubles.

3.4 Small granule

Particles whose size is less than 2mm in any direction, including fines and broken grains.

3.5 Snake skin particles

Strip resins similar snake skin in shape.

3.6 Trailing grain

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