

ICS 83.140.30

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

中华人民共和国国家标准

GB/T 13663-2000

neq ISO 4427: 1996

Polyethylene pipes for water supply

给水用聚乙烯 (PE) 管材

Issued on November 21, 2000

Implemented on May 01, 2001

Issued by State Bureau of Quality Technical Supervision (CSBTS)

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Foreword

This Standard is not equivalent to ISO 4427: 1996 *Polyethylene (PE) pipes for water supply – Specifications*.

Main differences between this Standard and ISO 4427: 1996 are as follows:

1. This Standard only contains pipes with PE63, PE80 and PE100, excluding PE32 and PE40;
2. Added the “Definition” to this Standard;
3. Added the “Elongation at break” to performance requirements for pipe;
4. Added the “Inspection rules”;

Differences between this Standard and GB/T 13663-1992 are as follows:

GB/T 13663-1992 *High density polyethylene pipes for water supply* formulated without using International Standard.

This Standard will replace GB/T 13663-1992 from implementation date.

Annex A of this Standard is informative annex.

This Standard is proposed by State Bureau of Light Industry

This Standard is under the jurisdiction of National Technical Committee on Plastic Products of Standardization Administration of China.

The responsible drafting organization is Plastic Department of Shandong Shengli Co., Ltd; the participate drafting organizations are Resin Research Center of Qilu Petrochemical Co., Ltd, Beijing Plastic Product Factory of Beijing Snowflake Company Ltd and Beijing Municipal Engineering Design and Research Institute.

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Polyethylene pipes for water supply

GB/T 13663-2000

neq ISO 4427: 1996

Replace GB/T 13663-1992

1 Scope

This standard specifies the product specifications, technical requirements, test methods, inspection rules, marking, packaging, transportation and storage of the polyethylene pipes used polyethylene resin as main raw material and used as the extrusion molding for water supply (hereinafter referred to as "pipe"). This standard also specifies the basic performance requirements of raw material, including classification system.

This standard applies to water supply pipe manufactured with PE63, PE80 and PE100 materials (see 4.1). The nominal pressure of pipe is 0.32MPa-1.6MPa, and the nominal outer diameter is 16mm-1000mm.

The pipe specified in this standard applies to deliver the water with temperature not exceeding 40C, pressurized water for general purposes as well as drinking water.

2 Normative References

The articles contained in the following documents have become this standard when they are quoted herein. For the dated documents so quoted, all the modifications (excluding corrections) or revisions made thereafter shall not be applicable to this Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

GB/T 2918-1998 Plastics--STANDARD atmospheres for conditioning and testing (idt ISO 291:1997)

GB/T 3681-1983 Plastics—Test methods of exposure to weathering



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