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CJ

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

CJ/T 258-2014

Replacing CJ/T 258-2007

**Fiber reinforced polypropylene random copolymer composite
pipe
(English Translation)**

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard is CJ/T 258-2007 "fiber-reinforced random copolymer polypropylene pipe" revision, compared with CJ/T 258-2007, the main technical changes are as follows.

- Removed the scope of the system does not apply (see Chapter 1);
- Increasing the normative references (see Chapter 2);
- Increasing the type of pipe (see 3.1.1);
- Added definition (see 3.1.2);
- Added relevant symbols and abbreviations (see 3.2, 3.3);
- Increased fiber-reinforced PP-R composite moisture test (see 4.2);
- The linear expansion coefficient, flexural strength and flexural modulus of fiber-reinforced PP-R composites increase the MF-PPR requirements (see 4.2);
- Removed the specification of size (see 7.3.1);
- Added MF-PPR pipe specification sheet (see 7.3.2);
- Increased MF-PPR pipe axial expansion coefficient test (see 7.4);
- Modify the requirements of opacity (see 7.4);
- Health requirements increased MF-PPR (see 7.6);
- Modify the drop hammer impact test method (see 8.5.3).

This standard proposed by the Ministry of Housing and Urban Standard and Design Institute.

This standard by the Ministry of Housing and Urban Water Supply and Drainage Standardization Technical Committee building centralized.

This standard was drafted. Zhejiang Weixing New Building Materials Co., Ltd., Ministry of Housing and Urban Science and Technology Development Promotion Center, Beijing Institute of Technology, Shanghai Weixing New Building Materials Co., Ltd.

1 Scope

This standard specifies the terms and definitions fiber reinforced random copolymer polypropylene pipe, symbols, abbreviations, materials, conditions of use level, Product classification, selection of pipe series S values, requirements, test methods, inspection rules and marking, packaging, transport and storage.

This standard applies to industrial and civil buildings within the cold, hot water and heating pipe system pipe production and testing.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 1033.1 Determination of plastic non-foam density - Part 1. Immersion, liquid pycnometer and titration GB/T 1036 Plastics - Determination of linear expansion coefficient at -30 °C ~ 30 °C Quartz dilatometer method Thermoplastics Vicat softening temperature (VST) determination Determination of GB/T 1843 plastic Izod impact strength GB/T 2828.1 Sampling procedures for inspection - Part 1. Batch inspection sampling plan by acceptance quality limit (AQL) GB/T 2918 plastic sample conditioning and testing of the standard environment GB/T 3682 Thermoplastics melt mass flow rate and melt volume flow rate determination Thermoplastics pipes for the conveyance of fluids - Pressure resistance test methods Thermoplastics pipes - Determination of the longitudinal retraction ratio GB/T 6671-2001 Plastics piping systems - Determination of dimensions of plastic parts GB/T 9341 Plastics Determination of bending properties Test method for resistance to external shock of thermoplastic pipe GB/T 14152 GB/T 17219 drinking water distribution equipment and protective materials safety evaluation criteria Polypropylene piping systems for hot and cold water GB/T 18742.1 Part 1. General Polypropylene piping systems for hot and cold water GB/T 18742.3 - Part 3. Fittings GB/T 18991 hot and cold water systems with thermoplastic pipes and fittings Thermoplastics pipes, fittings and valves - General terms and definitions GB/T.19993 Thermoplastics piping systems for hot and cold water pipe fittings composite thermal cycling test method GB/T 21300 Determination of plastic pipes and fittings opacity SH/T 1770 Plastics - Determination of polyethylene content of water

3.1 Terms and definitions

The following terms and definitions apply to this document.

3.1.1

The inner and outer layers are PP-R, the middle layer is fiber-reinforced PP-R (fiber especially silicate or silica fiber)