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

CJ/T 270-2017

Replacing CJ/T 270-2007

**Steel reinforced spirally wound polyethylene(PE) drainage
pipes and connecting piece
(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 replaces CJ/T 270-2007 Polyethylene Plastic Steel Wound Drain Pipe. Major Technical Content Changes Compared with CJ/T 270-2007 as follows.

- Increased the tensile strength index of plastics, and improved the internal stress resistance performance of polyethylene resin for pipes;
- Increased stainless steel card sleeve elongation at break index;
- Increased the tensile strength of 2600 specifications pipe joints;
- Increased pipe specifications ring stiffness SN16 level, remove SN4 level;
- Increased pipe specifications 2800,3000,3200,3400,3500,3600,3800,4000,4200;
- Increased connector requirements;
- Increased pipe thermal stability and melt flow rate index requirements;
- Added Appendix A to illustrate the connection method;
- Modify the minimum thickness of the strip in the size of Table 6, the minimum height

parameter of the strip, increase the minimum thickness of polyethylene on the top of the strip Number, increase the minimum thickness parameters of polyethylene on both sides of the strip.

This standard is proposed by the Institute of Standardization of Housing and Urban-Rural Development Standards.

This standard is under the jurisdiction of the Municipal Water Supply and Drainage Standardization Technical Committee of the Ministry of Housing and Urban-Rural Development.

1 Scope

This standard specifies the terms and definitions, symbols, codes, materials, product structures, classifications, and specifications for polyethylene plastic-wound drains and connectors.

Connection methods, requirements, test methods, inspection rules, signs, transportation and storage.

This standard applies to long-term transmission medium temperature below 45 °C pressureless urban drainage, industrial drainage and drainage and other drainage channels and connectors.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article Pieces. For undated references, the latest version (including all amendments) applies to this document.

GB/T 228.1 Tensile test of metallic materials Part 1. Test method at room temperature GB/T 716 carbon structural steel cold rolled steel strip GB/T 1033.1 Determination of the density of plastic non-foam plastics. Part 1. Impregnation, liquid pycnometry and titration GB/T 1040.2 Determination of tensile properties of plastics. Part 2. Test conditions for moulded and extruded plastics GB/T 2828.1 Count Sampling Inspection Procedures Part 1. Batch Inspection Sampling Plans Retrieved by Acceptance Quality Limit (AQL) GB/T 2918 Standard Environment for Conditioning and Testing Plastic Specimen GB/T 3280-2015 Stainless Steel Cold Rolled Steel Sheet and Strip Determination of Mass Flow Rate and Melt Volume Flow Rate of GB/T 3682 Thermoplastic Melt GB/T 5574 industrial rubber sheet Internal pressure test method of GB/T 6111 thermoplastic pipe for fluid transport GB/T 8804.3 Determination of tensile properties of thermoplastic pipes - Part 3. Polyolefin pipes GB/T 8806 Determination of dimensions of plastic parts for plastic piping systems Determination of GB/T 9647 Thermoplastic Pipe Ring Stiffness GB/T 14152-2001 Test method for resistance to external impact of thermoplastic plastic pipes GB/T 17391 Test method for thermal stability of polyethylene pipes and fittings Test Method for Creep Rates

of GB/T 18042 Thermoplastic Pipes GB/T 19278 Thermoplastic Pipes, Fittings and Valves
General Terms and Definitions GB/T 21873 Specifications for Interface Seals for Rubber
Seals, Drains, and Sewers GB 50268-2008 Water Supply and Drainage Pipeline Project
Construction and Acceptance Specifications ISO 13968 Plastics piping and conveyor
systems Determination of thermoplastic ring flexibility

3 Terms and Definitions, Symbols, Codes

The following terms and definitions as defined in GB/T 19278 apply to this document.