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

CJ/T 445-2014

**Pipes and joints made of oriented unplasticized poly (vinyl
chloride) (PVC-O) for the conveyance of water under pressure
(English Translation)**

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Table of Contents

Preface
1 Scope
2 Normative references
3 Terms and definitions
4 Symbols and abbreviations
5 Raw materials
6 Material impact on water quality
7 Material grade
8 Pipe grade and choice
9 General Requirements for Tubing
10 Pipe geometry
11 Pipe mechanical properties
12 Physical Properties - Tensile Strength
13 System Suitability Test
14 Elastic ring
15 Logo
Appendix A (Normative) Determination of MRS value
Appendix B (informative) socket minimum depth
Appendix C (Normative) Temperature reduction factor
Appendix D (Informative) Hard PVC (PVC-U) and chlorinated polyvinyl chloride (PVC-C) pressure pipe with a single flexible ring
Socket fittings --- Minimum insertion depth
Appendix E (Informative) pipe ring stiffness
Appendix F (Informative) Sealing long-term pressure test calculated pressure description

Foreword

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

This standard uses the translation method identical with ISO 16422.:2006

"Pressure-bearing biaxially oriented rigid polyvinyl chloride (PVC-O) pipes for water supply and Connector "in the technical content and standard structure exactly the same, only a small amount of editorial changes.

This standard compared with ISO 16422.:2006 main changes are as follows.

--- Normative references in the international standard replaced by the corresponding national standards.

--- For ease of access, according to the original statement to join Table 3 to explain the specific terms.

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.

1 Scope

This standard specifies the application of PVC-O pipe and connectors is buried in the direct sunlight and ground pressure water delivery system and the main trunk and branch pipelines of the irrigation system.

According to this standard, the piping system mainly refers to the pressure used to transport cold water temperature is not higher than 45 °C, including drinking water and the general requirements Water, can also be used for some special fields, such as. the impact of load and pressure fluctuations in the occasion, the pressure level does not exceed 2.5MPa.

In addition to the provisions of this standard shall comply with the provisions of this standard shall comply with the relevant national standards.

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 321-2005 Number of Priorities and Priorities (ISO 3.:1997, IDT) Thermoplastics Vicat softening temperature (VST) determination GB/T 3401 capillary viscometer Determination of the viscosity of polyvinyl chloride resin dilute solution (GB/T 3401-2007, ISO 1648-2.

1998, MOD)

GB/T 4217 thermoplastic piping for fluid delivery Nominal diameter and nominal pressure (GB/T 4217-2008, ISO 161-1.

1996, IDT)

GB/T 6111 fluid-filled thermoplastic pipe pressure resistance test method (GB/T 6111-2003, ISO 1167.:1996, IDT) GB/T 8804.2-2003 Thermoplastic plastic pipe tensile

properties - Part 2. rigid polyvinyl chloride (PVC-U), chlorinated poly Vinyl chloride (PVC-C) and high impact polyvinyl chloride (PVC-HI) tubing (ISO 6259-2.:1997, IDT) GB/T 8806 Plastics piping systems - Determination of dimensions of plastic parts (GB/T 8806-2008, ISO 3126.:2005, IDT) GB/T 9647 Thermoplastics pipe ring stiffness determination (GB/T 9647-2003, ISO 9969.:1994, IDT) GB/T 10002.2-2003 rigid polyvinyl chloride (PVC-U) pipe fittings for water supply (ISO 4422-3.:1996, MOD; ISO 4422-5.

1996, IDT)

GB/T 10798 Thermoplastics General Wall Thickness Gauge (GB/T 10798-2001, ISO 4065.:1996, IDT) GB/T 13295 ductile iron pipes and fittings for water and gas use (GB/T 13295-2008, ISO 2531.:1998, MOD) GB/T 14152 thermoplastic pipe resistance to impact resistance test method Clockwise rotation method (GB/T 14152-2001, eqvISO 3127..1994) GB/T 17219 drinking water distribution equipment and protective materials safety performance evaluation criteria GB/T 18252-2008 Plastics piping systems using extrapolation of thermoplastics to determine the long-term hydrostatic strength in the form of pipe (ISO 9080.:2003, IDT) GB/T 18475 Thermoplastics pressure pipe and fittings materials grading and nomenclature The overall use (design) coefficient (GB/T 18475-2001, eqvISO 12162..1995) GB/T 19471.1 plastic pipe system PVC pipe (PVC-U) flexible ring socket joint Angular seal test Test methods (GB/T 19471.1-2004, ISO 13845.:2000, IDT)