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

CJ/T 308-2009

**Unplasticized polyvinyl chloride (PVC-U) water well filter pipes
(English Translation)**

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Table of Contents

Foreword

1 Scope

2 Normative references

3 Material

Foreword

This standard was developed with reference to DIN 4925-1.:1999 "Part 1 of Wellbore Tubing and Sleeves for Wellheads with PVC-U Sub-DN35 to DN100 threaded pipe ", DIN4925-2.:1999" with threaded hard polyvinyl chloride (PVC-U) wells with shaft pipe and Sleeves Part 2 DN100 to DN200 Trapezoidal Thread Tubes, DIN 4925-3.:1999 "Threads with PVC-U Water Well wall pipe and casing Part 3 DN250 to DN400 trapezoidal thread pipe "series of standards, GB/T 10002.1-2006 "Water-based rigid PVC (PVC-U) pipe", and according to China's actual production and application were modified and added.

This standard compared with DIN4925.:1999, the main differences are.

--- According to the actual needs of pipe nominal diameter from 42mm ~ 450mm expanded to 110mm ~ 630mm;

--- Increased product physical and mechanical performance requirements;

--- Increased system suitability requirements;

--- Increase the inspection rules and signs, packaging, transportation, storage requirements.

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 Products Standardization Technical Committee.

1 Scope

Referred to as "well tube") materials, requirements, test methods, inspection rules and signs, packaging, transportation, storage.

This standard applies to water temperature is not higher than 55 °C for domestic water supply, irrigation water, shallow groundwater wells can be used to develop hard polyvinyl chloride (PVC-U) pipe.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. All dated references, which are subsequently owned Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to reach an agreement based on this standard research Whether you can use the latest versions of these files. For undated references, the latest version applies to this standard.

GB/T 1033.1-2008 Plastics - Determination of density of non-foamed plastics - Part 1. Immersion method, liquid pycnometer method and titration method (ISO/DIS1183-1..2004, IDT) GB/T 1040.2 Determination of tensile properties of plastics - Part 2. Test conditions for molding and extrusion of plastics (ISO 527-2.:1993, IDT) GB/T 1043.1 Plastics - Determination of Charpy impact properties - Part 1. Non-instrumented impact test (ISO 179-1.:2000, IDT) GB/T 2828.1 Sampling procedures for inspection - Part 1. Batch inspection sampling plan by acceptance quality limit (AQL) (Idt ISO 2589-1.:1999, IDT) GB/T 2918 plastic sample conditioning and testing of the standard environment (idt ISO 291.:1997) GB/T 5761 suspension of general-purpose polyvinyl chloride resin GB/T 6671 Thermoplastics pipe - Determination of longitudinal shrinkage (eqv ISO 2505.:1994) GB/T 8802 Thermoplastics pipes and fittings - Determination of vicat softening temperature (eqv ISO 2507.:1995) GB/T 8804.2 thermoplastic plastic pipe tensile properties - Part 2. rigid polyvinyl chloride (PVC-U), chlorinated polyvinyl chloride (PVC-C) and High Impact Polyvinyl Chloride (PVC-HI) Tubing (eqv ISO 6259-2.:1997) GB/T 8806 plastic pipe size measurement method (GB/T 8806-1988, eqv ISO 3126. 1974) GB/T 9341 Plastics - Bending properties test method (ISO 178.:1993, IDT) GB/T 9647 Thermoplastics pipe ring stiffness determination (ISO 9969.:1994, IDT) GB/T 14152 Thermoplastics pipes - Test methods for resistance to external shock - Rotary method (eqv ISO 3127.:1994) GB/T 17219 drinking water distribution equipment and protective materials safety evaluation criteria HG/T 3091 rubber seal to the drain pipe and sewer pipe interface sealing ring material specifications

3 Material

3.1

Production well tube material should be PVC-U mixed ingredients, material requirements shall comply with the requirements of Table 1. Mixtures used in the production of pipe should be poly Vinyl chloride (PVC) resin-based, the mass percentage of polyvinyl chloride resin content of the mixture should not be less than 85%; can be added as a producer the quality requirements of this standard pipe additives, should be evenly dispersed.

3.2

PVC resin should be consistent with GB/T 5761, resin K value should be greater than 64, vinyl chloride monomer content should be less than 5mg/kg.

3.3

The well pipe for drinking water intake shall not use lead salt stabilizer.

3.4

Allows the use of the factory production of similar products clean back materials.