

ICS 91.140.60  
CCS Q 81

**CJ**

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

**CJ/T 218-2005**

Replacing CJ/T 218-2005

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**Pipe and fittings of acrylic ester/vinyl chloride graft co-polymer  
resin for water supply  
(English Translation)**

**Issued on: March 15, 2010**

**Implemented on: August 1, 2010**

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**Issued by: Ministry of Housing and Urban-Rural Development of the  
People's Republic of China**

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### Foreword

This standard pipe drop hammer impact test equivalent to use JISK6743 "water supply with PVC pipe fittings." this standard is CJ/T 218-2005 "water supply with acrylic acid copolymer PVC pipe and fittings" amendment. With CJ/T 218-2005 compared to the main changes are as follows.

- Modify the scope;
- Modify the normative references;
- Modify the terms and definitions;
- Increasing the description of elastomeric seals and adhesives in the material;
- Increased product classification;
- Added pressure level;
- Added product specifications;
- Increasing the pipe size bending, the average diameter deviation and non-roundness, wall thickness, socket, requirements;
- Modify the ring hydraulic stress test tube;
- Modify the pipe fall test;
- Added pipe batch;
- Modify the logo, packaging, transportation and storage;
- Removed information appendix fittings specifications (reference value);
- Increased normative appendix Injection-molded pipe of the impact resistance test method.

Appendix A of this standard is normative appendix.

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

This standard specifies the terms and definitions of AGR pipes and fittings for water supply, materials, product categories, to Requirements, test methods, inspection rules, marking, packaging, transportation and storage.

This standard applies to long-term transport temperature of not more than 45 °C acrylic acid copolymer polyvinyl chloride (AGR) water supply pipes and fittings.

## 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 of this document applies to this standard.

GB/T 1033.1 plastic density and relative density test methods 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 Residual vinyl chloride monomer content GB/T 4615 Polyvinyl chloride resin - Gas chromatography Standard Test Method for Pressure Resistance of Thermoplastics Tubing for Liquid Transporting GB/T 6111 Thermoplastics pipes - Determination of longitudinal shrinkage GB/T 7306.1 55 ° sealing thread size - Part 1. Cylindrical and tapered male thread GB/T 8801 rigid polyvinyl chloride (PVC-U) pipe fall test methods GB/T 8802 Thermoplastics pipes and fittings - Determination of vicat softening temperature GB/T 8803 injection molding rigid polyvinyl chloride (PVC-U), chlorinated polyvinyl chloride (PVC-C), acrylonitrile - butadiene - styrene three Hot oven test method for copolymer of ABS and acrylonitrile-styrene-acrylate terpolymer (ASA) GB/T 8804.2 Determination of tensile properties of thermoplastic pipe - Part 2 Hard polyvinyl chloride (PVC-U), chlorinated polyethylene chloride Olefin (PVC-C) and high impact polyvinyl chloride (PVC-HI) pipe Plastics piping systems - Determination of dimensions of plastic components GB/T 9113.1 overall steel pipe flange GB/T 10002.1 water supply with rigid polyvinyl chloride (PVC-U) pipe GB/T 10002.2 water supply with rigid polyvinyl chloride (PVC-U) fittings GB/T 13526 rigid polyvinyl chloride (PVC-U) pipe dichloromethane immersion test methods 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 Thermoplastics pipes, fittings and valves - General terms and definitions GB/T 19278 GB/T 19471.1 plastic pipe system PVC pipe (PVC-U) flexible ring socket joint Angular seal test

Test methods (ISO 13845.:2000, IDT) GB/T 19471.2 plastic pipe system rigid PVC (PVC-U) pipe elastic ring socket joint negative pressure seal test Test methods (ISO 13844.:2000, IDT) GB/T 21873 rubber seal for, to the drain pipe and sewer pipe interface seal material specifications (ISO 4633; 2002, MOD) QB/T 2568 rigid PVC (PVC-U) plastic pipe system solution-type adhesive QB/T 2803 rigid plastic pipe bending method