

ICS 91.140
CCS P 40

CJ

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

CJ/T 537-2019

**Multi-layers steel wire-wound modified polyethylene wear
resistant composite pipe
(English Translation)**

Issued on: January 1, 1970

Implemented on: September 1, 2019

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

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Foreword

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

This standard was proposed by the Institute of Standardization of the Ministry of Housing and Urban-Rural Development.

This standard is under the jurisdiction of the Building Construction Safety Standardization Technical Committee of the Ministry of Housing and Urban-Rural Development.

The main editor of this standard. Guangdong Oriental Pipe Industry Co., Ltd.

Participated in this standard. Architectural Design and Research Institute of South China University of Technology, Jiangsu Architectural Design and Research Institute Co., Ltd., National Chemical Building Materials Testing Center, Changsha Nonferrous Metallurgy Design and Research Institute Co., Ltd., Zhongshan Xuanbao Pipe Industry Co., Ltd., Changxing Pipe Industry Co., Ltd., Shunde District, Foshan City Company, Changsha Donghai Economic and Trade Co., Ltd.

1 Scope

This standard specifies the type, material, requirements, test methods, and multi-layer steel wire wound modified polyethylene wear-resistant composite pipe (hereinafter referred to as pipe).

Inspection rules, marking, packaging, transportation and storage.

This standard is applicable to the transportation of urban water supply, high-rise building water supply, central air-conditioning fresh air system and chemical corrosion products below 45 °C.

Use tubing.

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 edition (including all amendments) applies to this document.

GB/T 1844.1 Plastic symbols and abbreviations - Part 1. Basic polymers and their characteristic properties GB/T 2035 plastic terminology and its definition GB/T 2791 Adhesive T peel strength test method Flexible material for flexible materials GB/T 2828.1. Sampling procedures for sampling by sampling - Part 1 . Batch-to-batch sampling plan, searched by AQL GB/T 2829 Cycle Inspection Counting Sampling Procedures and Tables (Applicable to Inspection of Process Stability) Standard environment for GB/T 2918 plastic sample conditioning and testing GB/T 3681 plastic natural daylight weather aging, solar aging after glass filtration and Fresnel spectroscopy accelerate sunlight aging Exposure test method GB/T 3682 Determination of melt flow rate and melt volume flow rate of thermoplastics GB/T 4217-2008 Nominal outer diameter and nominal pressure of thermoplastic pipes for fluid transfer GB/T 6111 Test method for internal pressure resistance of thermoplastic pipes for fluid transportation GB/T 6671 Determination of the longitudinal retraction rate of thermoplastic pipes GB/T 8806 Plastic pipe system - Determination of dimensions of plastic parts GB/T 9647 Determination of the stiffness of thermoplastic pipe rings GB/T 11547 Determination of the properties of plastics GB/T 14450 steel wire for bead GB/T 15560 Hydraulic fluid transient plastic blasting and pressure test method GB/T 17219 Safety evaluation criteria for drinking water distribution equipment and protective materials GB 50974 Technical specification for fire water supply and fire hydrant systems AQ1071 Safety technical requirements for non-metallic gas conveying pipes for coal mines ASTM D638 Standard Test Method for Tensile Properties of Plastics Standard Test Method for Density and Specific Gravity (Related Density) of Plastics by Displacement Method ASTM D1238 Standard Test Method for Determining Flow Rate of Thermoplastic Melts Using Extrusion Plastometer ASTM D1525 Standard Test Method for Softening Temperature of Plastic Vicat ASTM D3895 Standard Test Method for Oxidation Induction Time (OIT) of Polyolefin Materials by DSC CJ/T 537-2019 Multi-layers steel wire-wound modified polyethylene wear resistant composite pipe ICS 91.140 P40 People's Republic of China urban construction industry standards Multi-layer steel wire wrapped modified polyethylene wear-resistant composite pipe Multi-layers steel wire-wound modified polyethylene wear Resistant composite pipe Published on 2019-03-04 2019-09-01 implementation Ministry of Housing and Urban-Rural Development Content Foreword III

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