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

GB/T 36172-2018

**Polyethylene sleeving of ductile iron pipelines for site
application**

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Foreword

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

This standard uses the redrafting method to modify the use of ISO 8180.2006 "polyethylene sleeve for on-site installation of ductile iron pipelines".

This standard has more structural adjustments than ISO 8180.2006. Appendix A lists this standard and ISO 8180.2006 chapter.

The bar number comparison list.

There are technical differences between this standard and ISO 8180.2006. The terms involved in these differences have been passed through the margins on the outer side of the page.

The vertical single line (|) is marked, and the corresponding technical differences and their causes are given in Appendix B.

This standard also made the following editorial changes.

--- Modified the standard name.

This standard was proposed by the China Iron and Steel Association.

This standard is under the jurisdiction of the National Steel Standardization Technical Committee (SAC/TC183).

This standard was drafted. Xinxing Casting Pipe Co., Ltd., Metallurgical Industry Information Standards Institute.

1 Scope

This standard specifies the terms and definitions, raw material requirements, technical requirements, test methods, and requirements for the installation of polyethylene sleeves for ductile iron pipelines.

Inspection and acceptance, installation methods, identification, storage and transportation.

This standard applies to ductile iron pipelines laid in corrosive soil environments, and additional corrosion protection measures for pipes and their fittings.

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.

Plastics -- Determination of density of non-foam plastics -- Part 1 . Dipping method, liquid pycnometer method and titration method

(GB/T 1033.1-2008, ISO 1183-1.2004, IDT)

Determination of tensile properties of plastics - Part 3. Test conditions for sheets and sheets (GB/T 1040.3-2006,

ISO 527-3.1995, IDT)

GB/T 1408.1 Test methods for electrical strength of insulating materials - Part 1. Tests under power frequency (GB/T 1408.1-2006,

IEC 60243-1.1998, IDT)

GB/T 1410 solid insulating material volume resistivity and surface resistivity test method (GB/T 1410-2006, IEC 60093.

1980, IDT)

GB/T 9639.1-2008 Test methods for impact resistance of plastic films and sheets - Part 1 . Step method

(ISO 7765-1.1988, IDT)

Plastics and sheets -- Determination of tear resistance - Part 2. Elmendor method

(GB/T 16578.2-2009, ISO 6383-2. 1983, IDT)

3 Terms and definitions

The following terms and definitions apply to this document.

3.1

Polyethylene sleeve polyethylenesleeving

A tubular or sheet-like sleeve made of polyethylene film.

3.2

Polyethylene film

A film made by extruding a polyethylene raw material.

3.3

Regenerated products

A polyethylene film that has been reprocessed using recycled materials as raw materials.

3.4

Re-worked products

The polyethylene film produced by the polyethylene film manufacturer is cleaned, non-polluted, and the same type of polyethylene film is mixed into the new material.