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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 19796.1-2025

Replacing GB/T 19796-2005

Agricultural irrigation equipment - Plastics saddles - Part 1: Polyethylene pressure pipes

农业灌溉设备 塑料鞍座 第1部分：聚乙烯承压管

(English Translation)

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Preview: page 1 of 4 shown, 10 in the full document. Complete English PDF, instant download:
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Table of Contents

Foreword
Introduction
1 Scope
2 Normative references
3 Terms and Definitions

Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents".

Drafting.

This document is Part 1 of GB/T 19796 "Plastic Saddles for Agricultural Irrigation Equipment". GB/T 19796 has published the following...

part.

---Part 1: Polyethylene Pressure Pipe this document supersedes GB/T 19796-2005 "Plastic Saddles for Polyethylene Pressure Pipes in Agricultural Irrigation Equipment" and is consistent with GB/T 19796-Compared to 2005, aside from structural adjustments and editorial changes, the main technical changes are as follows.

a) The scope of application has been changed (see Chapter 1, Chapter 1 of the 2005 edition);

b) The thread requirements have been changed, and the title has been changed to "Branch Outlet" (see Chapter 6, Chapter 6 of the 2005 edition);

c) Sampling and acceptance inspection requirements have been removed (see Chapter 7 of the 2005 edition);

d) The requirements for test materials and test conditions related to material strength testing have been changed (see Chapter 7, Chapter 8 of the 2005 edition);

e) The mechanical and hydraulic performance requirements have been changed (see Chapter 8, Chapter 9 in the 2005 edition);

f) The pressure loss requirement has been removed (see Chapter 10 of the 2005 edition);

g) The requirement for manufacturers to provide information has been removed (see Chapter 12 of the 2005 edition).

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This document is equivalent to ISO 13460-1:2015 "Plastic saddles for agricultural irrigation equipment - Part 1: Polyethylene pressure pipes".

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed by the China Machinery Industry Federation.

This document is under the jurisdiction of the National Technical Committee on Standardization of Agricultural Machinery (SAC/TC201).

Introduction

GB/T 19796 "Plastic Saddles for Agricultural Irrigation Equipment" is proposed to consist of the following parts.

---Part 1: Polyethylene Pressure Pipes. The purpose is to provide the performance requirements and test methods for plastic saddles used in polyethylene pressure pipes.

Plastic saddle for agricultural irrigation equipment Part 1: Polyethylene Pressure Pipe

1 Scope

This document specifies the performance requirements and test methods for plastic saddles used in polyethylene (PE) pressure pipes in agricultural irrigation systems.

This document applies to polyethylene (PE) pressure pipes assembled for use in above-ground and underground irrigation systems, conveying water at a temperature not exceeding 50°C.

Plastic saddle.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included.

For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies.

This document.

Note: GB/T 7306.1-2000 55° Sealing Pipe Threads - Part 1: Cylindrical Internal Threads and Tapered External Threads (eqv ISO 7-1:1994) GB/T 7306.2-2000 55° Sealing Pipe Threads - Part 2: Tapered Internal and External Threads (eqv ISO 7-1:1994) Note. GB/T 7307-2001 55° non-sealing pipe thread (eqvISO 228-1.1994) ISO 1167-1 Thermoplastic tubing, fittings and components for fluid transport - Determination of internal pressure resistance - Part 1: General test methods (Ther-tointernalpressure-Part 1: Generalmethod) Note. GB/T 6111-2018 Determination of

Preview: page 3 of 4 shown, 10 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-t-19796-1-2025

internal pressure resistance of thermoplastic piping systems for fluid transport (ISO 1167-1:2006, ISO 1167-2.

2006, ISO 1167-3:2007, ISO 1167-4:2007, NEQ) pressure) ISO 4427-2 Plastic piping systems for water supply - Polyethylene (PE) pipes and fittings - Part 2: Pipes Note. GB/T 13663.2-2018 Polyethylene (PE) piping systems for water supply - Part 2: Pipes (ISO 4427-2:2007, MOD) Note. GB/T 19812.6-2022 Plastic Water-Saving Irrigation Equipment - Part 6: Polyethylene (PE) Pipes for Water Supply (ISO 8779:2020, MOD) Note. GB/T 26255-2022 Steel-plastic conversion fittings for polyethylene (PE) piping systems for gas use (ISO 17885:2015, NEQ)

3 Terms and Definitions

The following terms and definitions apply to this document.

Preview: page 4 of 4 shown, 10 in the full document. Complete English PDF, instant download:
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