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

GB/T 20674.4-2020

**Plastics pipes and fittings. Equipment for fusion jointing
polyethylene systems - Part 4: Traceability coding**

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Foreword

GB/T 20674 "Plastic pipes and pipe fittings polyethylene system welding equipment" is divided into 4 parts.

---Part 1.Hot Fusion Butt;

---Part 2.Electrofusion connection;

---Part 3.Operator code;

---Part 4.Traceable coding.

This part is Part 4 of GB/T 20674.

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

This part uses the redrafting law to amend and adopt ISO 12176-4.2003 "Plastic pipes and pipe fittings polyethylene system welding equipment"

Part 4.Traceability Code.

Compared with ISO 12176-4.2003, this part has many adjustments in structure. This part and ISO 12176-4 are listed in Appendix A.

The.2003 chapter number comparison list.

Compared with ISO 12176-4.2003, there are technical differences in this part. The clauses related to these differences have been passed on the outer margins.

The vertical single line (?) of the position is marked, and a list of the corresponding technical differences and reasons is given in Appendix B.

This section has made the following editorial changes.

---Adjusted references.

Please note that certain contents of this document may involve patents. The issuing agency of this document is not responsible for identifying these patents.

This part was proposed by the China National Light Industry Council.

This part is under the jurisdiction of the National Plastic Products Standardization Technical Committee (SAC/TC48).

Drafting organizations of this section. Chinaust Plastic Products Co., Ltd., Guangdong Liansu Technology Industrial Co., Ltd., Xi'an Sulong Welding Equipment Co., Ltd.

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1 Scope

This part of GB/T 20764 specifies the terms and definitions of traceable coding for polyethylene (PE) piping system fusion equipment, coding system design,

Information coding, data carrier.

This part, together with other parts of GB/T 20764, is applicable to the traceability of gas/water supply polyethylene piping system welding equipment.

The compiled code is recognized and read by letters or numbers, such as bar codes.

This section also applies to polyethylene gas/water supply piping system pipes, fittings and valves, as well as the welding of their assemblies. For example. make

Hot-melt butt connection, hot-melt socket connection or hot-melt saddle connection, electrofusion connection (socket and saddle), induction welding and mechanical connection with welding tools.

2 Normative references

The following documents are indispensable for the application of this document. For dated reference documents, only the dated version applies to this document.

For undated references, the latest version (including all amendments) applies to this document.

GB/T 3682.1 Plastic Thermoplastic Melt Mass Flow Rate (MFR) and Melt Volume Flow Rate (MVR) Determination Part 1. Standard Method

GB/T 19278-2018 General terms and definitions for thermoplastic pipes, fittings and valves

GB/T 20674.3 Polyethylene system welding equipment for plastic pipes and fittings-Part 3. Operator code

ISO 8601 data storage and exchange format information exchange date and time

representation

ISO 13950.2007 Automatic identification system for electrofusion welding joints of plastic pipes and fittings

ISO /IEC 15417 Information Technology Automatic Identification and Data Acquisition Technology Barcode Specification 128 Code

ISO /IEC 16390 Information Technology Automatic Identification and Data Capture Technology Cross Two-Five Code Bar Code Symbol Specification

3 Terms and definitions

The following terms and definitions defined in GB/T 19278-2018 apply to this document.

3.1

part

A general term for pipe fittings, valves or other accessories provided as an integral unit.

Note. Such as pipes, elbows, tees, reducers, saddles, socket fittings, valves or other parts used to connect pipes and/or fittings (such as. electrofusion socket fittings, machine