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

GB/T 20674.3-2020

**Plastics pipes and fittings. Equipment for fusion jointing
polyethylene systems -- Part 3: Operator's badge**

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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 3 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 12176-3:2011 "Plastic pipes and pipe fittings polyethylene system welding equipment No.

Part 3.Operator Code.

Compared with ISO 12176-3:2011, this part has many structural adjustments. Appendix A lists this part and ISO 12176-3.

The 2011 chapter number comparison list.

Compared with ISO 12176-3:2011, there are technical differences in this part. The clauses involved in 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 their reasons is given in Appendix B.

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., Shandong Shengbang Plastic Co., Ltd., Xi'an Sulong Welding Equipment Co., Ltd., Luo

Senborg (Wuxi) Pipeline Technology Co., Ltd., Nansu Building Materials & Plastic Products (Shenzhen) Co., Ltd., Guangzhou Special Pressure Equipment Testing and Research Institute.

1 Scope

This part of GB/T 20674 specifies the terms and definitions, data carriers, and data codes of the operator code of the polyethylene (PE) piping system welding equipment.

This part, together with other parts of GB/T 20674, applies to gas/water supply polyethylene piping system welding equipment and operators.

Note. Welding equipment is used for prefabricated connection of gas/water supply components (such as valves, steel-plastic conversion, etc.) or for nuclear power pipes, PE-RT pipes for cold and hot water,

When connecting industrial pipes, composite pipes, etc., the supply and demand parties shall negotiate and agree.

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 article

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

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

GB/T 20674.1 Polyethylene system fusion splicing equipment for plastic pipes and fittings-Part 1.Thermal fusion butt joint

GB/T 20674.2 Polyethylene system welding equipment for plastic pipes and fittings-Part 2.Electrofusion connection

ISO 3166-1 Country and Region Name Code Part 1.Country 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

Welding operator

Qualified personnel trained in the welding skills of polyethylene pipes and/or pipe fittings.

Note. Welding operators can participate in one or more welding skills training, including semi-automatic and/or fully automatic welding equipment.

3.2

Authorized organization

Organizations that organize welding operator training and grant operator codes, usually pipeline operation and maintenance organizations or related organizations.

3.3

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All natural numbers from 0 to 9.