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**Plastics piping systems — Mechanical fittings for pressure piping systems — Specifications**

*Systèmes de canalisations en plastiques — Raccords mécaniques pour les canalisations sous pression — Spécifications*



Reference number  
ISO 17885:2021(E)

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## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 138, *Plastics pipes, fittings and valves for the transport of fluids*, Subcommittee SC 4, *Plastics pipes and fittings for the supply of gaseous fuels*.

This second edition cancels and replaces the first edition (ISO 17885:2015), which has been technically revised. It also incorporates the Amendment ISO 17885:2015/Amd 1:2016.

The main changes compared to the previous edition are as follows:

- a clarification for the relation between the nominal pressure and the MOP declared by the manufacturer is given;
- the term 'weathering' is used instead of 'ultraviolet radiation', to be in line with PE pipe standards;
- a clarification that the own reprocessable material of glass reinforced materials with a fibre length up to 3 mm may be used;
- the diameter for various pipe materials for the 'Resistance of plastic pipe/pipe or pipe/fitting assemblies to tensile loading at 23 °C has been increased from 63 mm to 250 mm;
- unplasticized polyamide (PA-U) is included in [Table 7](#);
- errors in [Table D.1](#) regarding the viscosity number of unplasticized polyamide (PA-U) are resolved;
- the requirement for the melt mass flow rate for PB in [Table D.1](#) is aligned with ISO 15494;
- the requirement for the depth of dezincification for Cu in [Table D.1](#) is aligned with EN 1254-3, -6 and -8;
- [Formulae \(1\) and \(2\)](#) and [Annex C](#) are corrected;
- the test pressures for unplasticized polyamide (PA-U) in [Table F.1](#) are increased;
- the test procedure in [Annex G](#) is clarified.

## ISO 17885:2021(E)

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