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**Thermoplastics pipes, fittings and  
assemblies for the conveyance of  
fluids — Determination of the resistance  
to internal pressure —**

**Part 3:  
Preparation of components**

*Tubes, raccords et assemblages en matières thermoplastiques pour le  
transport des fluides — Détermination de la résistance à la pression  
interne —*

*Partie 3: Préparation des composants*



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ISO copyright office  
Case postale 56 • CH-1211 Geneva 20  
Tel. + 41 22 749 01 11  
Fax + 41 22 749 09 47  
E-mail [copyright@iso.org](mailto:copyright@iso.org)  
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Published in Switzerland

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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 1167-3 was prepared by Technical Committee ISO/TC 138, *Plastics pipes, fittings and valves for the transport of fluids*, Subcommittee SC 5, *General properties of pipes, fittings and valves of plastic materials and their accessories — Test methods and basic specifications*.

This first edition of ISO 1167-3, together with ISO 1167-2, cancels and replaces ISO 12092:2000, of which it constitutes a technical revision.

ISO 1167-3 consists of the following parts, under the general title *Thermoplastics pipes, fittings and assemblies for the conveyance of fluids — Determination of the resistance to internal pressure*:

- *Part 1: General method*
- *Part 2: Preparation of pipe test pieces*
- *Part 3: Preparation of components*
- *Part 4: Preparation of assemblies*

# Thermoplastics pipes, fittings and assemblies for the conveyance of fluids — Determination of the resistance to internal pressure —

## Part 3: Preparation of components

### 1 Scope

This part of ISO 1167 specifies the procedure for the preparation of components, i.e. fittings and valve bodies, for the determination of their resistance to internal hydrostatic pressure according to ISO 1167-1.

NOTE Polyolefin fittings for butt fusion, electrofusion and socket fusion are usually tested as an assembly and are treated in ISO 1167-4.

### 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 1167-1:2006, *Thermoplastics pipes, fittings and assemblies for the conveyance of fluids — Determination of the resistance to internal pressure — Part 1: General method*

### 3 Principle

Test pieces, each comprising a single component with its appropriate sealing devices or a pipe-component assembly, are mounted with end caps or alternative means to arrive at a pressure-tight test piece assembly. Following conditioning at the specified test temperature, these test pieces are subjected to the internal hydrostatic pressure according to ISO 1167-1 for a specified period of time or until the test piece(s) fail(s).

The number of test pieces, conditioning and details of the test report are as given in ISO 1167-1.

NOTE It is assumed that the following test parameters (see 5.1) are set by the standard, making reference to this part of ISO 1167 and, respectively, to ISO 1167-1:

- a) the sampling requirements;
- b) the period of time between the date of production of the parts and the tests.