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Thermoplastics pipes for the conveyance of fluids — Dimensions and tolerances —

Part 1: Metric series

*Tubes en matières thermoplastiques pour le transport des fluides —
Dimensions et tolérances —*

Partie 1: Série métrique



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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).

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For an explanation on 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 the following URL: 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*.

This second edition cancels and replaces the first edition (ISO 11922-1:1997), which has been technically revised.

The main changes are:

- Tolerance values for diameters up to 3000 mm are included;
- Diameter tolerance grade E has been deleted.

A list of all the parts in the ISO 11922 series, can be found on the ISO website.

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Introduction

In the past, International Standards specifying the tolerances to be applied to thermoplastics pipes have covered individual materials separately. The philosophy of the ISO 11922 series is to combine these already published standards into a single two-part standard covering the tolerances for extruded pipes manufactured from all thermoplastics materials, thus avoiding the need for a standard to be developed for each individual material.

The ISO 11922 series therefore contains a number of tolerance grades covering the mean outside diameter, the out-of-roundness of the outside diameter, the wall thickness at any point and the mean wall thickness. The bodies responsible for writing the various product and system standards will choose, from the specified tolerance grades, that grade which is suitable for the application and material involved.