

Fourth edition
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Thermoplastics pipes for the conveyance of fluids — Nominal outside diameters and nominal pressures —

Part 1: Metric series

*Tubes en matières thermoplastiques pour le transport des fluides —
Diamètres extérieurs nominaux et pressions nominales —*

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

This fourth edition cancels and replaces the third edition (ISO 161-1:1996), which has been technically revised.

The significant changes are:

- Nominal diameters are extended up to 3 000 mm;
- Nominal pressure PN 25 bar is added;
- Nominal pressure PN 6 shall be designed using 6,3 bar; designation based on 6,0 bar is deleted;
- MRS values up to 20 are based on R 10 increments. MRS values above 20 are based on R 20 increments;
- Definitions are updated to follow modern plastics piping terminology.

A list of all the parts in the ISO 161 series, can be found on the ISO website.