

# INTERNATIONAL STANDARD

**ISO**  
**8773**

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## **Polypropylene (PP) pipes and fittings for buried drainage and sewerage systems — Specifications**

*Tubes et raccords en polypropylène (PP) pour les systèmes  
d'assainissement enterrés et les égouts souterrains — Spécifications*



Reference number  
ISO 8773:1991(E)

## 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.

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.

International Standard ISO 8773 was prepared by Technical Committee ISO/TC 138, *Plastics pipes, fittings and valves for the transport of fluids*.

Annexes A, B, C, D, E and F form an integral part of this International Standard.

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# Polypropylene (PP) pipes and fittings for buried drainage and sewerage systems — Specifications

## 1 Scope

This International Standard specifies requirements for polypropylene (PP) homopolymer and copolymer pipes, fittings and joints with nominal outside diameters from 110 mm to 2 000 mm and for fittings with elastomeric sealing rings of nominal outside diameter from 110 mm to 400 mm, serving as buried gravity drain and sewer pipes for the transportation of soil and waste discharge of domestic origin.

It may also be applied to pipes, fittings and joints for discharges of industrial origin, provided chemical and temperature resistance is taken into account.

## 2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 265-1:1988, *Pipes and fittings of plastics materials — Fittings for domestic and industrial waste pipes — Basic dimensions: Metric series — Part 1: Unplasticized poly(vinyl chloride) (PVC-U)*.

ISO 1043-1:1987, *Plastics — Symbols — Part 1: Basic polymers and their special characteristics*.

ISO 1133:1991, *Plastics — Determination of the melt mass-flow rate (MFR) and the melt volume-flow rate (MVR) of thermoplastics*.

ISO 1167:—<sup>1)</sup>, *Thermoplastics pipes for the transport of fluids — Resistance to internal pressure — Test method and basic specification*.

ISO 3126:1974, *Plastics pipes — Measurement of dimensions*.

ISO 3127:1980, *Unplasticized polyvinyl chloride (PVC) pipes for the transport of fluids — Determination and specification of resistance to external blows*.

ISO 3478:1975, *Polypropylene (PP) pipes — Determination of longitudinal reversion*.

ISO 3609:1977, *Polypropylene (PP) pipes — Tolerances on outside diameters and wall thicknesses*.

ISO 3663:1976, *Polyethylene (PE) pressure pipes and fittings, metric series — Dimensions of flanges*.

1) To be published. (Revision of ISO 1167:1973)