

INTERNATIONAL
STANDARD

ISO
3213

Second edition
1996-08-01

**Polypropylene (PP) pipes — Effect of time
and temperature on the expected strength**

*Tubes en polypropylène (PP) — Influence du temps et de la température
sur la résistance espérée*



Reference number
ISO 3213:1996(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 3213 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 second edition cancels and replaces the first edition (ISO 3213:1975), which has been technically revised.

Annex A forms an integral part of this International Standard.

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Polypropylene (PP) pipes — Effect of time and temperature on the expected strength

1 Scope

This International Standard lays down the minimum values for expected strength as a function of time and temperature in the form of reference lines, for use in calculations on pipes made of

- polypropylene homopolymer (PP-H);
- polypropylene block copolymer¹⁾ (PP-B);
- polypropylene random copolymer (PP-R).

2 Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the edition indicated was 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 edition of the standard indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 1167:—²⁾ *Thermoplastics pipes for the conveyance of fluids — Resistance to internal pressure — Test method.*

1) Also called heterophasic copolymer.

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