

INTERNATIONAL STANDARD

ISO
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Thermoplastics pipes and fittings — Vicat softening temperature —

Part 1: General test method

Tubes et raccords en matières thermoplastiques — Température de ramollissement Vicat —

Partie 1: Méthode générale d'essai



Reference number
ISO 2507-1:1995(E)



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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.

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 2507-1 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 2507-1, and ISO 2507-2, cancels and replaces the second edition of ISO 2507 (ISO 2507:1982), of which it constitutes a technical revision.

ISO 2507 consists of the following parts, under the general title *Thermoplastics pipes and fittings — Vicat softening temperature*:

- *Part 1: General test method*
- *Part 2: Test conditions for unplasticized poly(vinyl chloride) (PVC-U) or chlorinated poly(vinyl chloride) (PVC-C) pipes and fittings and for high impact resistance poly(vinyl chloride) (PVC-HI) pipes*
- *Part 3: Test conditions for acrylonitrile/butadiene/styrene (ABS) and acrylonitrile/styrene/acrylic ester (ASA) pipes and fittings*

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Introduction

This International Standard is based on ISO 306.

For convenience of use, it has been considered preferable to draw up a complete document for use in determining the Vicat softening temperature of thermoplastics pipes and fittings. For further details, reference to ISO 306 is recommended.

Please note, however, that ISO 306 is applicable to materials in the form of sheets, whereas this International Standard is applicable to materials in the form of pipes and fittings.

ISO 2507 comprises three parts: the first gives the general conditions under which the Vicat softening temperature of a pipe or fitting is determined, the other two parts provide the particular requirements for conducting tests on pipes and fittings of different materials (see the Foreword).

The basic specifications for various materials are given in the informative annexes of the appropriate parts.