

DIN EN ISO 1452-1



ICS 91.140.60; 93.030

Supersedes
DIN EN 1456-1:2001-12 and
DIN EN 1452-1:1999-09

**Plastics piping systems for water supply and for buried and
above-ground drainage and sewerage under pressure –
Unplasticized poly(vinyl chloride) (PVC-U) –
Part 1: General (ISO 1452-1:2009)
English translation of DIN EN ISO 1452-1:2010-04**

Kunststoff-Rohrleitungssysteme für die Wasserversorgung und für erdverlegte und nicht
erdverlegte Entwässerungs- und Abwasserdruckleitungen –
Weichmacherfreies Polyvinylchlorid (PVC-U) –
Teil 1: Allgemeines (ISO 1452-1:2009)
Englische Übersetzung von DIN EN ISO 1452-1:2010-04

Systèmes de canalisations en plastique pour l'alimentation en eau, pour branchements et
collecteurs d'assainissement enterrés et aériens avec pression –
Poly(chlorure de vinyle) non plastifié (PVC-U) –
Partie 1: Généralités (ISO 1452-1:2009)
Traduction anglaise de DIN EN ISO 1452-1:2010-04

Document comprises 19 pages

Translation by DIN-Sprachendienst.

In case of doubt, the German-language original shall be considered authoritative.



A comma is used as the decimal marker.

National foreword

This standard has been prepared by Technical Committee ISO/TC 138 “Plastics pipes, fittings and valves for the transport of fluids”, Subcommittee SC 2 “Plastics pipes and fittings for water supplies” (Secretariat: SNV, Switzerland) in collaboration with Technical Committee CEN/TC 155 “Plastics piping systems and ducting systems” (Secretariat: NEN, Netherlands).

The responsible German body involved in its preparation was the *Normenausschuss Wasserwesen* (Water Practice Standards Committee), Joint Working Committees NA 119-04-06 GA *Kunststoffrohre in der Trinkwasserversorgung* and NA 119-04-06-03 GUA *PVC-Rohre*.

The DIN Standards corresponding to the International Standards referred to in this document are as follows:

ISO 3	DIN 323-1
ISO 472	DIN EN ISO 472
ISO 497	DIN 323-1
ISO 1043-1	DIN EN ISO 1043-1
ISO 1167-1	DIN EN ISO 1167-1
ISO 1167-2	DIN EN ISO 1167-2
ISO 6401	DIN EN ISO 6401
ISO 9080	DIN EN ISO 9080
ISO 12162	DIN EN ISO 12162

Amendments

This standard differs from DIN EN 1452-1:1999-09 and DIN EN 1456-1:2001-12 as follows:

- a) The content of the standards has been combined in one standard.
- b) The scope has been rendered more precise (solid-wall pipes).
- c) Normative references have been updated.
- d) The limiting value for the vinyl chloride monomer volume fraction of the formulation has been taken from DIN EN 1452-2:1999-09.
- e) Specifications relating to material classification have been included.

Previous editions

DIN 19532: 1966-05, 1976-03, 1979-07

DIN EN 1452-1: 1999-09

DIN EN 1456-1: 2001-12

National Annex NA (informative)

Bibliography

DIN 323-1, *Preferred Numbers and Series of Preferred Numbers — Basic Values, Calculated Values, Rounded Values*

DIN EN ISO 472, *Plastics — Vocabulary*

DIN EN ISO 1043-1, *Plastics — Symbols and abbreviated terms — Part 1: Basic polymers and their special characteristics*

DIN EN ISO 1167-1, *Thermoplastics pipes, fittings and assemblies for the conveyance of fluids — Determination of the resistance to internal pressure — Part 1: General method*

DIN EN ISO 1167-2, *Thermoplastics pipes, fittings and assemblies for the conveyance of fluids — Determination of the resistance to internal pressure — Part 2: Preparation of pipe test pieces*

DIN EN ISO 6401, *Plastics — Poly(vinyl chloride) — Determination of residual vinyl chloride monomer — Gas-chromatographic method*

DIN EN ISO 9080, *Plastics piping and ducting systems — Determination of the long-term hydrostatic strength of thermoplastics materials in pipe form by extrapolation*

DIN EN ISO 12162, *Thermoplastics materials for pipes and fittings for pressure applications — Classification, designation and design coefficient*

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