

STN	Potrúbné systémy z plastov Rúry z polyetylénu (PE), sieťovaného polyetylénu (PE-X) a nemäkčeného polyamidu (PA-U) Skúšobná metóda na stanovenie odolnosti proti vnútornému tlaku po priečnom stlačení	STN EN 12106 64 0644
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Plastics piping systems - Polyethylene (PE), crosslinked polyethylene (PE-X) and unplasticized polyamide (PA-U) pipes - Test method for the resistance to internal pressure after application of squeeze-off

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 07/25

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English Version

Plastics piping systems - Polyethylene (PE), crosslinked polyethylene (PE-X) and unplasticized polyamide (PA-U) pipes - Test method for the resistance to internal pressure after application of squeeze-off

Systèmes de canalisations en plastique - Tubes en polyéthylène (PE), polyéthylène réticulé (PE-X) et polyamide non plastifié (PA-U) - Méthode d'essai de résistance à la pression interne après application de l'écrasement

Kunststoff-Rohrleitungssysteme - Rohre aus Polyethylen (PE), vernetztem Polyethylen (PE-X) und weichmacherfreiem Polyamid (PA-U) - Bestimmung der Widerstandsfähigkeit gegen Innendruck nach Abquetschen

This European Standard was approved by CEN on 14 April 2025.

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COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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EN 12106:2025 (E)

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European foreword

This document (EN 12106:2025) has been prepared by Technical Committee CEN/TC 155 “Plastics piping systems and ducting systems”, the secretariat of which is held by NEN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by November 2025, and conflicting national standards shall be withdrawn at the latest by November 2025.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 12106:1997.

EN 12106:2025 includes the following significant technical changes with respect to EN 12106:1997:

- PA-U, PE-X and PE 100-RC materials with test parameters have been added;
- ISO 1167-1 and ISO 1167-2 are referenced for the pipe hydrostatic pressure test in place of EN 921 which has been withdrawn.

This document is one of a series of standards on test methods which support System Standards for plastics piping systems and ducting systems.

The material-dependent parameters and/or performance requirements are incorporated in the System Standard(s) concerned.

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

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EN 12106:2025 (E)**1 Scope**

This document specifies a method to determine the resistance to internal pressure of polyethylene (PE), crosslinked polyethylene (PE-X) and unplasticized (PA-U) pipes to verify the condition of the pipe after being subjected to a squeeze-off procedure.

The equipment and procedure used to prepare the test samples and test parameters are given in this document, i.e.:

- a) the diameter and series of the pipe to be tested (see 6.1);
- b) the number of test pieces (see 6.2);
- c) the parameters for the hydrostatic strength tests (see 7.6).

NOTE 1 Further information on the squeeze-off procedure is given in EN 12007-2 and ISO/TS 10839 for polyethylene, and CEN/TS 12007-6 for unplasticized polyamide.

NOTE 2 The squeeze-off procedure is specified to limit gas flow to allow maintenance, repair or to make network connections. Squeeze-off is used in an emergency for pipes carrying other media.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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 (ISO 1167-1)*

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 (ISO 1167-2)*

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