

---

**Cevni sistemi iz polimernih materialov za odvodnjavanje in kanalizacijo, ki delujejo po težnostnem principu - Polipropilen z mineralnimi modifikatorji (PP-MD) - 3. del: Smernice za ugotavljanje skladnosti**

Plastics piping systems for non-pressure underground drainage and sewerage - Polypropylene with mineral modifier(s) (PP-MD) - Part 2: Guidance for the assessment of conformity

Kunststoff-Rohrleitungssysteme für erdverlegte drucklose Abwasserkanäle und -leitungen - Polypropylen mit mineralischen Additiven (PP-MD) - Teil 2: Empfehlungen für die Beurteilung der Konformität (standards.iteh.ai)

Systemes de canalisations en plastique pour les branchements et les collecteurs d'assainissement enterrés sans pression - Polypropylène avec modificateurs minéraux (PP-MD) - Partie 2 : Guide d'évaluation de la conformité

**Ta slovenski standard je istoveten z: CEN/TS 14758-2:2007**

---

**ICS:**

23.040.20	Cevi iz polimernih materialov	Plastics pipes
93.030	Zunanji sistemi za odpadno vodo	External sewage systems

**SIST-TS CEN/TS 14758-2:2007** en,fr,de

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

SIST-TS CEN/TS 14758-2:2007

<https://standards.iteh.ai/catalog/standards/sist/ec0e94c7-9680-4592-9684-677bbf6286c8/sist-ts-cen-ts-14758-2-2007>

English Version

**Plastics piping systems for non-pressure underground drainage  
and sewerage - Polypropylene with mineral modifier(s) (PP-MD)  
- Part 2: Guidance for the assessment of conformity**

Systèmes de canalisations en plastique pour les  
branchements et les collecteurs d'assainissement enterrés  
sans pression - Polypropylène avec modificateurs minéraux  
(PP-MD) - Partie 2 : Guide d'évaluation de la conformité

Kunststoff-Rohrleitungssysteme für erdverlegte drucklose  
Abwasserkanäle und -leitungen - Polypropylen mit  
mineralischen Additiven (PP-MD) - Teil 2: Empfehlungen  
für die Beurteilung der Konformität

This Technical Specification (CEN/TS) was approved by CEN on 23 June 2007 for provisional application.

The period of validity of this CEN/TS is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the CEN/TS can be converted into a European Standard.

CEN members are required to announce the existence of this CEN/TS in the same way as for an EN and to make the CEN/TS available promptly at national level in an appropriate form. It is permissible to keep conflicting national standards in force (in parallel to the CEN/TS) until the final decision about the possible conversion of the CEN/TS into an EN is reached.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

<https://standards.cen.org/Catalog/standards/sist/ccc974c7-9680-4592-9684-677bbf6286c8/sist-ts-cen-ts-14758-2-2007>



EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

**Management Centre: rue de Stassart, 36 B-1050 Brussels**

<b>Contents</b>	<b>page</b>
Foreword.....	3
1 Scope.....	4
2 Normative references .....	4
3 Terms, definitions, symbols and abbreviations .....	4
3.1 Terms and definitions.....	4
3.2 Abbreviations .....	6
4 Requirements .....	7
4.1 General.....	7
4.2 Testing and inspection.....	7
4.2.1 Material specification .....	7
4.2.2 Grouping .....	7
4.2.3 Type tests (TT).....	8
4.2.4 Batch release tests (BRT) .....	11
4.2.5 Process verification tests (PVT) .....	12
4.2.6 Audit tests (AT) .....	12
4.2.7 Indirect tests (IT) .....	13
4.2.8 Inspection records and test records.....	14
Bibliography .....	15

**ITeH STANDARD PREVIEW**  
**(standards.iteh.ai)**

SIST-TS CEN/TS 14758-2:2007  
<https://standards.iteh.ai/catalog/standards/sist/ec0e94c7-9680-4592-9684-677bbf6286c8/sist-ts-cen-ts-14758-2-2007>

## Foreword

This document (CEN/TS 14758-2:2007) has been prepared by Technical Committee CEN/TC 155 "Plastics piping systems and ducting systems", the secretariat of which is held by NEN.

System Standards are based on the results of the work undertaken in ISO/TC 138 "Plastics pipes, fittings and valves for the transport of fluids", which is a Technical Committee of the International Organization for Standardization (ISO).

They are supported by separate standards on test methods to which references are made throughout the System Standard.

The System Standards are consistent with general standards on functional requirements and on recommended practice for installation.

EN 14758 consists of the following Parts, under the general title *Plastics piping systems for non-pressure underground drainage and sewerage — Polypropylene with mineral modifier(s) (PP-MD)*

- *Part 1: Specifications for pipes, fittings and the system*<sup>1)</sup> (amended in 2007)
- *Part 2: Guidance for the assessment of conformity* (this Technical Specification)
- *Part 3: Guidance for installation* (Technical Specification)

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

<https://standards.iteh.ai/catalog/standards/sist/ec0e94c7-9680-4592-9684-677bbf6286c8/sist-ts-cen-ts-14758-2-2007>

---

<sup>1)</sup> An amendment is under preparation.

## 1 Scope

This European Technical Specification gives guidance for the assessment of conformity to be included in the manufacturer's quality plan as part of the quality system.

This Technical Specification includes:

- a) requirements for materials, components, joints and assemblies given in EN 14758-1;
- b) requirements for the manufacturer's quality system;

NOTE 1 It is recommended that the quality system conforms to EN ISO 9001 [1].

- c) definitions and procedures to be applied if third party certification is involved.

NOTE 2 If third party certification is involved, it is recommended that the certification body is accredited to EN 45011 [2] or EN 45012 [3], as applicable.

This Technical Specification is applicable to piping systems made of polypropylene (PP-MD) intended to be used for

- non-pressure underground drainage and sewerage outside building structures (application area code "U"), reflected in the marking of products by "U"; and
- non-pressure underground drainage and sewerage for both buried in the ground within the building structure (application area code "D") and outside the building structure (application area code "U"), reflected in the marking of products by "UD".

## 2 Normative references

[SIST-TS CEN/TS 14758-2:2007](https://standards.iteh.ai/catalog/standards/sist/ec0e94c7-9680-4592-9684-711d4c117777)

[https://standards.iteh.ai/catalog/standards/sist/ec0e94c7-9680-4592-9684-](https://standards.iteh.ai/catalog/standards/sist/ec0e94c7-9680-4592-9684-711d4c117777)

The following referenced documents are indispensable for the application 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 14758-1:2005<sup>2</sup>, *Plastics piping systems for non-pressure underground drainage and sewerage — Polypropylene with mineral modifiers (PP-MD) — Part 1: Specifications for pipes, fittings and the system*

EN ISO 472:2001, *Plastics — Vocabulary (ISO 472:1999)*

EN ISO 1043-1:2001, *Plastics — Symbols and abbreviated terms — Part 1: Basic polymers and their special characteristics (ISO 1043-1:2001)*

## 3 Terms, definitions, symbols and abbreviations

For the purposes of this document, the terms, definitions, symbols and abbreviations given in EN 14758-1:2005 and the following apply.

### 3.1 Terms and definitions

For the purposes of this document, the terms, definitions, symbols given in EN ISO 472:2001, and EN ISO 1043-1:2001 and the following apply.

---

<sup>2</sup> The reference will include an amendment, which is under preparation.

**3.1.1****certification body**

impartial body, governmental or non-governmental, possessing the necessary competence and responsibility to carry out certification of conformity according to given rules of procedure and management

**3.1.2****inspection body**

impartial organisation or company, approved by the certification body as possessing the necessary competence to verify and/to carry out initial type testing, audit testing and inspection of the manufacturer's factory production control <sup>3)</sup> in accordance with the relevant European Standard

**3.1.3****testing laboratory**

laboratory which measures, tests, calibrates or otherwise determines the characteristics of the performance of materials and products

**3.1.4****quality system**

organisational structure, responsibilities, procedures, processes and resources for implementing quality management (see EN ISO 9000 [4])

**3.1.5****quality plan**

document setting out the specific quality practices, resources and sequence of activities relevant to a particular product or range of products

**3.1.6****type testing (TT)**

testing performed to prove that the material, component, joint or assembly is capable of conforming to the requirements given in the relevant standard

**3.1.6.1****preliminary type testing (PTT)**

type testing carried out by or on behalf of the manufacturer

**3.1.6.2****initial type testing (ITT)**

type testing carried out by or on behalf of the certification body for certification purposes

**3.1.7****batch release test (BRT)**

test performed by the manufacturer on a batch of components, which has to be satisfactory completed before the batch can be released

**3.1.8****process verification test (PVT)**

test performed by the manufacturer on materials, components, joints or assemblies at specific intervals to confirm that the process continues to be capable of producing components conforming to the requirements given in the relevant standard

NOTE Such tests are not required to release batches of components and are carried out as a measure of process control.

<sup>3)</sup> Guidance Paper B (concerning the Construction Products Directive 89/106/EC): *The definition of factory production control and technical specifications for construction products*

**3.1.9**

**audit test (AT)**

test performed by or on behalf of a certification body to confirm that the material, component, joint or assembly continues to conform with the requirements given in the relevant standard and to provide information to assess the effectiveness of the quality system

**3.1.10**

**indirect test (IT)**

test performed by the manufacturer different from that specified for that particular characteristic, having verified its correlation with the specified test

**3.1.11**

**witness testing (WT)**

testing accepted by a certification body for initial type testing and/or audit testing, which is carried out by, or on behalf of the manufacturer and supervised by a representative of the certification body, qualified in testing

**3.1.12**

**material**

defined type of polymer or additive or constituent thereof

**3.1.13**

**compound (blend)**

recipe which defines types of polymer, additives and constituents at specified dosage levels

**3.1.14**

**material batch or compound batch**

clearly identifiable quantity of a particular material or compound

**3.1.15**

**production batch**

clearly identifiable collection of units, manufactured consecutively under the same conditions, using material or compound conforming to the same specification

**3.1.16**

**lot**

clearly identifiable sub-division of a batch for inspection purposes

**3.1.17**

**sample**

one or more units of product drawn from a batch or lot, selected at random without regard to quality

NOTE The number of units of product in the sample is the sample size.

**3.1.18**

**group**

collection of similar components from which samples are selected for testing purposes

**3.2 Abbreviations**

NOTE For reasons of avoiding misunderstanding the following abbreviations are kept the same in each of the languages. For the same reason the terms are given in the three languages ("en" for English, "fr" for French and "de" for German).

AT	en	:	audit test
	fr	:	essai d'audit
	de	:	Überwachungsprüfung



BRT	en	:	batch release test
	fr	:	essai de libération de campagne de fabrication
	de	:	Freigabeproofung einer Charge
IT	en	:	indirect test
	fr	:	essai indirect
	de	:	indirekte Prüfung
ITT	en	:	initial type testing
	fr	:	essais de type initiaux
	de	:	Erst-Typproofung
PTT	en	:	preliminary type testing
	fr	:	essais de type préliminaires
	de	:	vorausgehende Typproofung
PVT	en	:	process verification testing
	fr	:	essai de vérification du procédé de fabrication
	de	:	Prozessüberprüfung
TT	en	:	type test
	fr	:	essai de type
	de	:	Typproofung
WT	en	:	witness testing
	fr	:	essais de témoins
	de	:	Prüfung unter Aufsicht

iTech STANDARD PREVIEW  
(standards.iteh.ai)

[SIST-TS CEN/TS 14758-2:2007](https://standards.iteh.ai/catalog/standards/sist/ec0e94c7-9680-4592-9684-677bbf6286c8/sist-ts-cen-ts-14758-2-2007)

<https://standards.iteh.ai/catalog/standards/sist/ec0e94c7-9680-4592-9684-677bbf6286c8/sist-ts-cen-ts-14758-2-2007>

## 4 Requirements

### 4.1 General

**4.1.1** Materials, components, joints and assemblies shall conform to the requirements given in EN 14758-1:2005.

**4.1.2** Components and/or assemblies shall be produced by the manufacturer under a quality system which includes a quality plan.

### 4.2 Testing and inspection

#### 4.2.1 Material specification

For the purpose of this Technical Specification the material specification consists of a recipe/compound having a polypropylene base material to which are added mineral modifier(s) of known specification and containing additives with known dosage level.

#### 4.2.2 Grouping

For the purposes of this Technical Specification the following groups shall apply.

##### 4.2.2.1 Size group

A group of nominal sizes DN. Four size groups are designated as follows:

Size group 1: 110, 125, 160, 200;