



**SLOVENSKI STANDARD**  
**SIST-TS CEN/TS 18116:2025**

**01-februar-2025**

---

**Plastomerne cevi in fittingi - Smernice za načrtovanje za recikliranje**

Thermoplastics pipes and fittings - Design for recycling guidelines

Rohre und Formstücke aus Thermoplasten - Leitlinien für die recyclingorientierte Gestaltung

Tubes et raccords en matières thermoplastiques - Directives de conception pour le recyclage

**Ta slovenski standard je istoveten z: CEN/TS 18116:2024**

---

[SIST-TS CEN/TS 18116:2025](https://standards.iteh.ai/catalog/standards/sist/7c9f8e75-d88a-46c6-81ae-a10a1df1aa06/sist-ts-cen-ts-18116-2025)

<https://standards.iteh.ai/catalog/standards/sist/7c9f8e75-d88a-46c6-81ae-a10a1df1aa06/sist-ts-cen-ts-18116-2025>

**ICS:**

13.030.50	Recikliranje	Recycling
23.040.20	Cevi iz polimernih materialov	Plastics pipes
23.040.45	Fittingi iz polimernih materialov	Plastics fittings

**SIST-TS CEN/TS 18116:2025**

**en,fr,de**



TECHNICAL SPECIFICATION  
SPÉCIFICATION TECHNIQUE  
TECHNISCHE SPEZIFIKATION

**CEN/TS 18116**

December 2024

ICS 13.030.50; 23.040.20; 23.040.45

English Version

**Thermoplastics pipes and fittings - Design for recycling  
guidelines**

Tubes et raccords en matières thermoplastiques -  
 Directives de conception pour le recyclage

Rohre und Formstücke aus Thermoplasten - Leitlinien  
 für die recyclingorientierte Gestaltung

This Technical Specification (CEN/TS) was approved by CEN on 1 December 2024 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, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and United Kingdom.

Document Preview

[SIST-TS CEN/TS 18116:2025](https://standards.iteh.ai/catalog/standards/sist/7c9f8e75-d88a-46c6-81ac-a10a1df1aa06/sist-ts-cen-ts-18116-2025)

<https://standards.iteh.ai/catalog/standards/sist/7c9f8e75-d88a-46c6-81ac-a10a1df1aa06/sist-ts-cen-ts-18116-2025>



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

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

<b>Contents</b>	<b>Page</b>
<b>European foreword</b> .....	<b>3</b>
<b>Introduction</b> .....	<b>4</b>
<b>1 Scope</b> .....	<b>5</b>
<b>2 Normative references</b> .....	<b>5</b>
<b>3 Terms and definitions</b> .....	<b>5</b>
<b>4 Design considerations</b> .....	<b>6</b>
<b>4.1 Material selection</b> .....	<b>6</b>
<b>4.2 Hazardous substances</b> .....	<b>7</b>
<b>4.3 Marking</b> .....	<b>7</b>
<b>4.4 Documentation</b> .....	<b>8</b>
<b>Bibliography</b> .....	<b>9</b>

**iTeh Standards**  
**(<https://standards.iteh.ai>)**  
**Document Preview**

[SIST-TS CEN/TS 18116:2025](https://standards.iteh.ai/catalog/standards/sist/7c9f8e75-d88a-46c6-81ac-a10a1df1aa06/sist-ts-cen-ts-18116-2025)

<https://standards.iteh.ai/catalog/standards/sist/7c9f8e75-d88a-46c6-81ac-a10a1df1aa06/sist-ts-cen-ts-18116-2025>

## European foreword

This document (CEN/TS 18116:2024) has been prepared by Technical Committee CEN/TC 155 “Plastics piping systems and ducting systems”, the secretariat of which is held by NEN.

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 has been prepared under a standardization request addressed to CEN by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

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.

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

**iTeh Standards**  
**(<https://standards.iteh.ai>)**  
**Document Preview**

[SIST-TS CEN/TS 18116:2025](https://standards.iteh.ai/catalog/standards/sist/7c9f8e75-d88a-46c6-81ac-a10a1df1aa06/sist-ts-cen-ts-18116-2025)

<https://standards.iteh.ai/catalog/standards/sist/7c9f8e75-d88a-46c6-81ac-a10a1df1aa06/sist-ts-cen-ts-18116-2025>

## CEN/TS 18116:2024 (E)

### Introduction

This document is developed in response to the standardization request M/584 of 1st August 2022.

The scope of this document, requested by M/584, is extended from “HDPE pipes and fittings and PVC pipes and fittings” to “thermoplastics pipes and fittings”.

The product and material requirements (virgin and/or recyclate) as defined in product standards should be fulfilled, as applicable.

NOTE Recommendations to the value chain of thermoplastics piping systems to stimulate the use of thermoplastics recyclates can be found in the EN 14541 series. In CEN/TS 14541-2, guidance and information is given for drafting product standards for defining relevant characteristics, e.g. for fingerprinting.

# iTeh Standards (<https://standards.iteh.ai>) Document Preview

[SIST-TS CEN/TS 18116:2025](https://standards.iteh.ai/catalog/standards/sist/7c9f8e75-d88a-46c6-81ae-a10a1df1aa06/sist-ts-cen-ts-18116-2025)

<https://standards.iteh.ai/catalog/standards/sist/7c9f8e75-d88a-46c6-81ae-a10a1df1aa06/sist-ts-cen-ts-18116-2025>