

STN P	Rúry a tvarovky z termoplastov Usmernenia pre návrh na recykláciu	STN P CEN/TS 18116 64 3054
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Thermoplastics pipes and fittings - Design for recycling guidelines

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. 02/25

Táto predbežná slovenská technická norma je určená na overenie. Prípadné pripomienky pošlite do decembra 2026 Úradu pre normalizáciu, metrológiu a skúšobníctvo Slovenskej republiky.

Obsahuje: CEN/TS 18116:2024

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TECHNICAL SPECIFICATION

CEN/TS 18116

SPÉCIFICATION TECHNIQUE

TECHNISCHE SPEZIFIKATION

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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.

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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.

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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 recycle) 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.

1 Scope

This document specifies design for recycling guidelines for thermoplastics pipes and fittings, used as construction products or used for water supply to irrigation systems.

NOTE 1 Components used in irrigation systems, such as flexibles and drip lines, are not part of this document.

NOTE 2 Pipes and fittings used for cable management are not part of this document.

NOTE 3 Packaging of pipes and fittings is not part of this document.

The guidelines in this document are developed to facilitate mechanical recycling.

NOTE 4 The guidelines could also be beneficial for chemical recycling.

Thermoplastics pipes and fittings are considered to be those where the total volume of the thermoplastic compound/formulation exceeds 50 %.

This document can also be used for other thermoplastics products used in a piping system such as manholes, inspection chambers, infiltration boxes and valves.

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 14541-1, *Plastics pipes and fittings — Utilisation of thermoplastics recyclates — Part 1: vocabulary*

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