

<b>STN</b>	<b>Potrúbné systémy z plastov Komponenty z plastu vystuženého sklom (GRP) Stanovenie obsahu základných zložiek (ISO 7510: 2017)</b>	<b>STN EN ISO 7510</b>  64 4300
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Plastics piping systems - Glass-reinforced plastics (GRP) components - Determination of the amounts of constituents (ISO 7510:2017)

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. 04/24

Obsahuje: EN ISO 7510:2024, ISO 7510:2017

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EUROPEAN STANDARD

EN ISO 7510

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2024

ICS 23.040.45; 23.040.20

Supersedes EN 637:1994

English Version

## Plastics piping systems - Glass-reinforced plastics (GRP) components - Determination of the amounts of constituents (ISO 7510:2017)

Systèmes de canalisations en matières plastiques -  
Composants plastiques renforcés de verre (PRV) -  
Détermination des teneurs des constituants (ISO  
7510:2017)

Kunststoff-Rohrleitungssysteme - Teile aus  
glasfaserverstärkten Kunststoffen (GFK) - Ermittlung  
der Gehalte von Bestandteilen (ISO 7510:2017)

This European Standard was approved by CEN on 29 January 2024.

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**EN ISO 7510:2024 (E)**

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## **European foreword**

The text of ISO 7510:2017 has been prepared by Technical Committee ISO/TC 138 "Reinforced plastics pipes and fittings for all applications" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 7510:2024 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of an identical text or by endorsement, at the latest by August 2024, and conflicting national standards shall be withdrawn at the latest by August 2024.

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 637:1994.

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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## **Endorsement notice**

The text of ISO 7510:2017 has been approved by CEN as EN ISO 7510:2024 without any modification.

# INTERNATIONAL STANDARD

# ISO 7510

Second edition  
2017-06

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## **Plastics piping systems — Glass- reinforced plastics (GRP) components — Determination of the amounts of constituents**

*Systèmes de canalisations en matières plastiques — Composants  
plastiques renforcés de verre (PRV) — Détermination des teneurs des  
constituants*



Reference number  
ISO 7510:2017(E)

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## ISO 7510:2017(E)

### Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

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For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 138, *Plastics pipes, fittings and valves for the transport of fluids*, Subcommittee SC 6, *Reinforced plastics pipes and fittings for all applications*.

This second edition cancels and replaces the first edition (ISO 7510:1997), which has been technically revised.

The main changes compared to the previous edition are as follows:

- modified the title;
- clarified accuracy statements;
- eliminated specific sample size;
- referenced ISO 3126 for dimension determination;
- allowed use of test specimens taken from mechanical property test samples.



# Plastics piping systems — Glass-reinforced plastics (GRP) components — Determination of the amounts of constituents

## 1 Scope

This document specifies a method for the determination of constituent materials of a test sample cut from a glass-reinforced plastics (GRP) component intended for use in a piping system. It includes determination of resin, glass, aggregate and filler contents.

It is also applicable to the determination of the type and arrangement of the reinforcements. If used to determine the amounts of constituent materials in layered constructions it may be necessary to separate the laminate layers by cutting or splitting and testing each separately.

## 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.

ISO 3126, *Plastics piping systems — Plastics components — Determination of dimensions*

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**