

Textile glass - Yarns - Designation (ISO 2078:2022)

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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English Version

Textile glass - Yarns - Designation (ISO 2078:2022)

Verre textile - Fils - Désignation (ISO 2078:2022)

Textilglas - Garne - Bezeichnung (ISO 2078:2022)

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European foreword

This document (EN ISO 2078:2022) has been prepared by Technical Committee ISO/TC 61 "Plastics" in collaboration with Technical Committee CEN/TC 249 "Plastics" the secretariat of which is held by NBN.

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of an identical text or by endorsement, at the latest by September 2022, and conflicting national standards shall be withdrawn at the latest by September 2022.

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 ISO 2078:1994.

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

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Endorsement notice

The text of ISO 2078:2022 has been approved by CEN as EN ISO 2078:2022 without any modification.

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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.

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For an explanation of 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 www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 13, *Composites and reinforcement fibres*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 249, *Plastics*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This sixth edition cancels and replaces the fifth edition (ISO 2078:1993), which has been technically revised. It also incorporates the Amendment ISO 2078:1993/Amd.1:2015. The main changes are as follows:

- three type of glass used in [Table 1](#) have been added;
- one type of yarn in [4.1.2](#) has been added.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Textile glass — Yarns — Designation

1 Scope

This document specifies a system of designating textile glass yarns (including single, multiple-wound, folded (plied), cabled and textured yarns, strands, slivers and rovings) based on their linear density expressed in the tex system.

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 2, *Textiles — Designation of the direction of twist in yarns and related products*

ISO 472, *Plastics — Vocabulary*

ISO 1139, *Textiles — Designation of yarns*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 2 and ISO 472 apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

4 Designation of a yarn

4.1 Elements of the designation

4.1.1 General

This document shall be in accordance with the rules of the single-to-fold designation given in ISO 1139 to these textile glass products.

According to the specification given in ISO 1139, the designation of a yarn (single yarn, strand, sliver, roving) is a condensed technical description containing the following elements.

4.1.2 Glass used

One or several letters, to specify the glass used by the manufacturer (see [Table 1](#)).