

Klaaskiud. Lõng. Tähistus

Textile glass - Yarns - Designation

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 2078:2000 sisaldab Euroopa standardi EN ISO 2078:1994 ingliskeelset teksti. Käesolev dokument on jõustatud 11.01.2000 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN ISO 2078:2000 consists of the English text of the European standard EN ISO 2078:1994. This document is endorsed on 11.01.2000 with the notification being published in the official publication of the Estonian national standardisation organisation. The standard is available from Estonian standardisation organisation.
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Käsitlusala: Käesolev standard määrab kindlaks tähistussüsteemi klaastekstiilniitudele (kaasa arvatud ühekordsed niidid, mitmekordseks keritud niidid, korrutatud (kimpu köidetud), keerutatud ja tekstureeritud niidid, niidiköisikud, heiderullid ja heided). Tähistus põhineb nimetatud niitude joontihedusel, väljendatuna teks-süsteemis.	Scope:
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ICS 59.100.10

Võtmesõnad: klaastekstiil, klaastekstiilniidid, tähistus

ICS 59.100.30

Descriptors: Textile glass, yarn, designation system.

English version

Textile glass
Yarns – Designation
(ISO 2078:1993)

Verre textile; fils; désignation
(ISO 2078:1993)

Textilglas; Garne; Bezeichnung
(ISO 2078:1993)

This European Standard was approved by CEN on 1994-08-25 and is identical to the ISO Standard as referred to.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart 36, B-1050 Brussels

Foreword

International Standard

ISO 2078:1993 Textile glass; yarns; designation

which was prepared by ISO/TC 61 'Plastics' of the International Organization for Standardization, has been adopted by Technical Committee CEN/TC 249 'Plastics' as a European Standard.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by April 1995 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, the following countries are bound to implement this European Standard:

Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

Endorsement notice

The text of the International Standard ISO 2078:1993 was approved by CEN as a European Standard without any modification.

1 Scope

This International Standard 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.

This International Standard applies the rules of the single-to-fold designation given in ISO 1139 to these textile glass products.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 2:1973, *Textiles — Designation of the direction of twist in yarns and related products*.

ISO 472:1988, *Plastics — Vocabulary*.

ISO 1139:1973, *Textiles — Designation of yarns*.

3 Definitions

For the purposes of this International Standard, the definitions given in ISO 2 and ISO 472 apply.

4 Designation of a yarn

4.1 Elements of the designation

According to the definition given in ISO 1139, the designation of a yarn (single yarn, strand, sliver, ...

roving) is a condensed technical description containing the following elements.

4.1.1 Glass used

One or several letters, to specify the glass used by the manufacturer (see table 1).

Table 1

Type	General indications
E	for general purposes; good electrical properties
D	good dielectric properties
A	high alkali content
C	chemical resistance
S	high mechanical strength
R	high mechanical strength
AR	alkali resistant
E-CR	for use in acid environments

4.1.2 Type of yarn

A letter to describe the type of yarn:

- C (continuous) for continuous-filament yarns,
- D (discontinuous) for staple-fibre yarns.

NOTE 1 These letters are placed in the first group, as it is of special importance in the case of textile glass to distinguish between continuous-filament yarns and staple fibre yarns; their use makes it unnecessary to indicate the number of filaments, preceded by the symbol f, as proposed in ISO 1139.

4.1.3 Nominal diameter of fibre

A number, consisting of one or two figures, giving the nominal diameter, in micrometres, of the filament or staple fibre.