



SLOVENSKI STANDARD

SIST EN 12971-2:2000

01-maj-2000

C'U]hj Y!'GdYWZ_UWY'nUgbc d] Y_fUh]'gY_Ub]`ghY`Yb]`j`U_Yb!'&'XY.
DfYg_i gbY'a YrcXY]b`gd`cýbY'gdYWZ_UWY

Reinforcements - Specification for textile glass chopped strands - Part 2: Test methods and general requirements

Verstärkungen - Spezifikation für geschnittene Textilglasgarne - Teil 2: Prüfverfahren und allgemeine Anforderungen

Renforts - Spécification de fils de verre coupés - Partie 2: Méthodes d'essai et exigences générales

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Ta slovenski standard je istoveten z: EN 12971-2:1999

ICS:

59.100.10 Materiali iz steklenih vlaken Textile glass materials

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en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 12971-2

May 1999

ICS 59.100.10

English version

Reinforcements - Specification for textile glass chopped strands
- Part 2: Test methods and general requirements

Renforts - Spécification de fils de verre coupés - Partie 2:
Méthodes d'essai et exigences générales

Verstärkungen - Spezifikation für geschnittene
Textilglasgame - Teil 2: Prüfverfahren und allgemeine
Anforderungen

This European Standard was approved by CEN on 16 April 1999.

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.

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

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

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

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 249 "Plastics", the secretariat of which is held by IBN.

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 November 1999, and conflicting national standards shall be withdrawn at the latest by November 1999.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

This standard is one part of EN 12971 which is structured as follows :

- Textile glass - Chopped strands - Part 1 : Designation
- Textile glass - Chopped strands - Part 2 : Test methods and general requirements
- Textile glass - Chopped strands - Part 3 : Technical specification

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1 Scope

1.1 This part 2 of EN 12971 defines the test methods to be used to determine the designated and specified properties given in part 1 and 3 respectively.

1.2 This part 2 of EN 12971 defines the general requirements applicable to the specification of all types of chopped strand falling within the scope of this specification as defined in part 1 of the standard.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN ISO 1886, *Reinforcement fibres - Sampling Plans applicable to received batches. (ISO 1886:1990)*

EN ISO 3344, *Reinforcement products - Determination of Moisture Content. (ISO 3344:1997)*

ISO 472, *Plastics – Vocabulary.*

ISO 1887, *Textile glass - Determination of combustible-matter content.*

ISO 1888, *Textile glass – Staple fibres or filaments – Determination of average diameter.*

ISO/CD 15100, *Reinforcement fibres - Chopped Strands - Determination of bulk density.*

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3 Definitions

For the purposes of this part 2 of EN 12971 the definitions given in ISO 472 apply with the following additions :

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3.1

lot average

an average property of a lot (in manufacture or delivered to the customer), when sampled in accordance with EN ISO 1886

3.2

bulk density

the mass of a defined volume of chopped strands put into a container, without compression or the effects of settlement

3.3

moisture loss in storage

for wet chopped strands, the difference between the original moisture content and that measured after a period in storage

4 List of Properties

The list of properties with the applicable test method shall be considered as a guide for the selection of the properties and limits which shall be applicable to be the technical specifications given in part 3 of this standard.

Table 1: List of physical properties

Properties	Test Method	Remarks
Combustible matter content	ISO 1887	
Moisture content	EN ISO 3344	
Average fibre length	No method	Defined by manufacturer
Filament Diameter	ISO 1888	For designation only
Glass type	No method	For designation only
Bulk Density	ISO/CD 15100	

5 Sampling

Sampling of textile glass chopped strands for the purpose of confirming conformance with the requirements of this specification shall be undertaken in accordance with EN ISO 1886.

6 General Requirements

6.1 Appearance

The textile glass chopped strands shall be substantially free from contamination (eg : oil, metals, paper, etc), shall not contain unacceptable levels of agglomerated filament (fuzz ball). If required the purchase specification shall define acceptance levels.

6.2 Packaging

The packaging shall protect the product during handling, storage and transportation and to ensure that the material has a minimum shelf life of 12 months.

For wet chopped strands, the packaging shall include a moisture proof package so as to keep control of moisture lost to ensure a minimum shelf life of 6 months.

6.3 Labelling

Each package shall be clearly identified with :

- 6.3.1 Designation code.
- 6.3.2 Manufacturer's production and traceability reference.
- 6.3.3 Weight of package (net).
- 6.3.4 Any special handling/storage instructions.