

Reinforcements - Specification for textile glass rovings - Part 3: Specific requirements

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 14020-3:2003 sisaldab Euroopa standardi EN 14020-3:2002 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 18.02.2003 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 14020-3:2003 consists of the English text of the European standard EN 14020-3:2002.</p> <p>This document is endorsed on 18.02.2003 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala: This part of this European Standard gives a technical specification for rovings that are made from continuous filament textile glass. It defines those parameters which shall be specified plus other parameters which may be specified if required for a particular application or processing method</p>	<p>Scope: This part of this European Standard gives a technical specification for rovings that are made from continuous filament textile glass. It defines those parameters which shall be specified plus other parameters which may be specified if required for a particular application or processing method</p>
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Võtmesõnad: physical properties, properties, reinforcement fibres, reinforcing materials, rovings, specification, specification (approval), specifications, textile glass, textile glass roving

ICS 59.100.10

English version

Reinforcements - Specification for textile glass rovings - Part 3: Specific requirements

Renforts - Spécification des stratifils (rovings) de verre
textile - Partie 3: Exigences spécifiques

Verstärkungsfasern - Spezifikation für Textilglasrovings -
Teil 3: Besondere Anforderungen

This European Standard was approved by CEN on 7 November 2002.

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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 Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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Foreword

This document (EN 14020-3:2002) 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 June 2003, and conflicting national standards shall be withdrawn at the latest by June 2003.

This document is one part of EN 14020 which is structured as follows:

- Part 1 : *Designation*
- Part 2 : *Test methods and general requirements*
- Part 3 : *Specific requirements*

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, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This part of this European Standard gives a technical specification for rovings that are made from continuous filament textile glass. It defines those parameters which shall be specified plus other parameters which may be specified if required for a particular application or processing method.

The specification does not define absolute or nominal values for any parameter. The value of a specified parameter is to be defined by the manufacturer but this specification defines the method of test to be used to determine the value of each specified parameter and the tolerance about which the parameter shall be controlled by the manufacturer.

The parameters which shall always be defined in any roving specification are defined in clause 4.1 and 4.2. The other parameters which are included in a specification shall either be nominated by the manufacturer or agreed between manufacturer and customer. These parameters are defined in clause 4.3.

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 (including amendments).

EN ISO 472:2001, *Plastics - Vocabulary (ISO 472:1999)*.

EN ISO 1889, *Reinforcement yarns - Determination of linear density (ISO 1889:1997)*.

EN ISO 2078, *Textile glass - Yarns - Designation (ISO 2078:1993)*.

EN ISO 3344, *Reinforcement products - Determination of moisture content (ISO 3344:1997)*.

EN ISO 9163, *Textile glass - Rovings - Manufacture of test specimens and determination of tensile strength of impregnated rovings (ISO 9163:1996)*.

EN ISO 14130, *Fibre-reinforced plastic composites - Determination of apparent interlaminar shear strength by short-beam method (ISO 14130:1997)*.

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

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

ISO 3341, *Textile glass - Yarns - Determination of breaking force and breaking elongation*.

ISO 3597-4, *Textile-glass-reinforced plastics - Determination of mechanical properties on rods made of roving-reinforced resin - Part 4: Determination of apparent interlaminar shear strength*.

ISO/DIS 15039, *Textile-glass rovings - Determination of solubility of sizing*.

3 Terms and definitions

For the purposes of this part of this European Standard, the terms and definitions given in EN ISO 472:2001 apply with the following additions: