SLOVENSKI STANDARD
SIST EN 14020-1:2003

01-maj-2003

Ojaļ itve - Specifikacije za snopiļ e (roving) steklenih vlaken - 1. del: Oznaļ evanje

Reinforcements - Specification for textile glass rovings - Part 1: Designation

Verstärkungsfasern - Spezifikation für Textilglasrovings - Teil 1: Bezeichnung

Renforts - Spécification des stratifils (rovings) de verre textile - Partie 1: Désignation

Ta slovenski standard je istoveten z: EN 14020-1:2002

ICS:

59.100.10 Materiali iz steklenih vlaken Textile glass materials

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EUROPEAN STANDARD

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English version

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

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 Management Centre 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 Management Centre has the same status as the official versions.

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

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

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Contents

Foreword

This document (EN 14020-1:2002) 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of an identical text or by endorsement, at the latest by June 2003, and conflicting national standards shall be withdrawn at the latest by June 2003.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 establishes a method of designation for roving made from continuous filament textile glass strands, which may be used as the basis for specifications.

This designation system is for roving used for the reinforcement of plastics and hydraulic matrices, and the manufacture of woven materials.

It does not apply to roving made from staple fibres.

It is not intended to imply that roving having the same designation give necessarily the same performance. Nor is the designation system intended to cover all the characteristics of roving. This part of this European Standard does not give engineering data, performance data or data which may be required to specify roving for a particular application or method of processing.

If such additional properties are required they shall be determined in accordance with the test methods specified in Part 2 of EN 14020.

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).*

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

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:

3.1
characteristic properties
properties of the glass fibre roving that are not normally subject to the planned quality control in the production process

3.2
controlled properties
quantitative properties of the glass fibre roving that are subject to the planned quality control in the production process

3.3
visual properties
qualitative properties of the glass fibre roving that are not necessarily subject to routine quality control in the production process

4 Designation system

4.1 General

The designation system for textile glass roving is based on the following standardised pattern (see note).

	Designation		
	Identity Block		
	Individual Item Blocks		
Standard Number Block	Data Block 1	Data Block 2	Data Block 3

It consists of an Identity Block comprising the European Standard number and an individual Item Block. For unambiguous coding the individual Item Block is subdivided into data blocks comprising the following information:

N° 1 Identification of the glass type by its symbol according to EN ISO 2078

N° 2 Designatory properties

N° 3 Manufacturers code and/or size coating reference

To ensure legibility:

— the description block shall be separated from the standard number by a comma;

— spaces shall be inserted between blocks;

— the first character in the first individual item block shall be a dash;

— data blocks shall be separated from each other by a comma;

— a space shall be introduced between the positions in the blocks;

— if a data block is not used, this shall be indicated by two commas (,,).

NOTE This standardised pattern is a modification of the frame text given in EN ISO 1043-2, adapted to the designation of these reinforcement products.

4.2 Data Block 1

In this data block the glass type identified by its symbol, according to EN ISO 2078 followed by a space and continuous fibre textile glass is identified by the letter C, in accordance with EN ISO 2078.

4.3 Data Block 2

In this data block the designatory properties are defined as follows:

— position 1, the nominal filament diameter, in accordance with ISO 1888;

— position 2, the nominal roving linear density (in tex), as defined by the manufacturer, in accordance with EN ISO 1889.

4.4 Data Block 3

In this data block the manufacturers code and/or size coating reference is given.

5 Coding examples

An E Glass, 10 micron filament, 600 tex roving, manufacturer's code 1234.

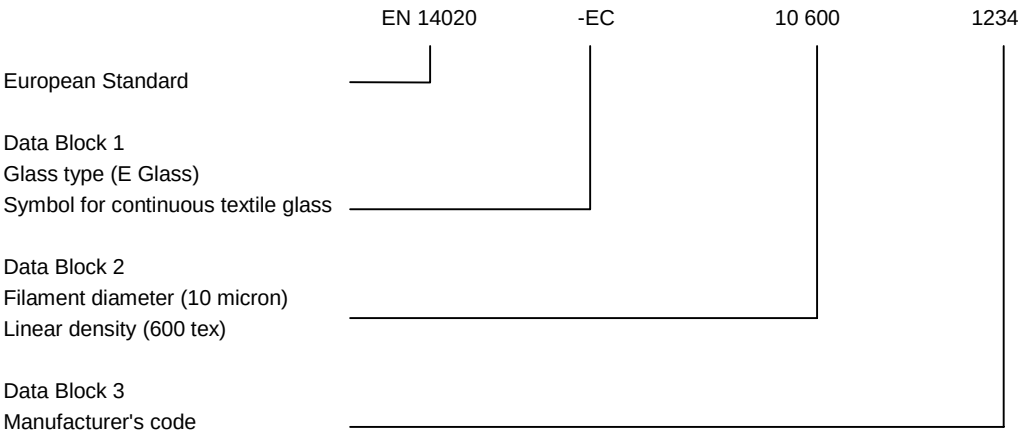

Figure 1 — Designation : EN 14020, -EC, 10600, 1234