



SLOVENSKI STANDARD
SIST EN 12654-1:2000

01-maj-2000

GHY_`YbY'h_UbjbY!'DfY^Y!'%'XY.'CnbU Yj Ub^Y

Textile glass - Yarns - Part 1: Designation

Textilglas - Garne - Teil 1: Bezeichnung

Verre textile - Fils - Partie 1: Désignation

Ta slovenski standard je istoveten z: EN 12654-1:1998

[SIST EN 12654-1:2000](https://standards.iteh.ai/catalog/standards/sist/bdd8284d-7a3e-4a4e-8dc2-1dcbce3e9618/sist-en-12654-1-2000)

<https://standards.iteh.ai/catalog/standards/sist/bdd8284d-7a3e-4a4e-8dc2-1dcbce3e9618/sist-en-12654-1-2000>

ICS:

59.100.10 Materiali iz steklenih vlaken Textile glass materials

SIST EN 12654-1:2000

en

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 12654-1:2000

<https://standards.iteh.ai/catalog/standards/sist/bdd8284d-7a3e-4a4e-8dc2-1dbcce3e9618/sist-en-12654-1-2000>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 12654-1

November 1998

ICS 59.100.10

Descriptors: textile glass, textile glass yarns, designation

English version

Textile glass - Yarns - Part 1: Designation

Verre textile - Fils - Partie 1: Désignation

Textilglas - Garne - Teil 1: Bezeichnung

This European Standard was approved by CEN on 30 October 1998.

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

(standards.iteh.ai)

SIST EN 12654-1:2000

<https://standards.iteh.ai/catalog/standards/sist/bdd8284d-7a3e-4a4e-8dc2-1dcbce3e9618/sist-en-12654-1-2000>



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

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

Contents

	Page
1 Scope.....	5
2 Normative references.....	5
3 Designation System.....	5
Annex A (informative) Bibliography.....	7

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN 12654-1:2000

<https://standards.iteh.ai/catalog/standards/sist/bdd8284d-7a3e-4a4e-8dc2-1dcbce3e9618/sist-en-12654-1-2000>

AN INDEPENDENT ORGANIZATION
OF STANDARDS INSTITUTIONS
FOR THE PROMOTION OF
INTERNATIONAL COOPERATION
IN STANDARDIZATION
AND TECHNICAL COLLABORATION
BETWEEN MEMBERS AND
ASSOCIATED MEMBERS



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 May 1999, and conflicting national standards shall be withdrawn at the latest by May 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

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 12654-1:2000

<https://standards.iteh.ai/catalog/standards/sist/bdd8284d-7a3e-4a4e-8dc2-1dcbce3e9618/sist-en-12654-1-2000>

Introduction

This Standard is one part of EN 12654 which structured as follows :

EN 12654 "Textile glass – Yarns"

- Part 1 : Designation
- Part 2 : Methods of test and general requirements
- Part 3 : General requirements for general applications .

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 12654-1:2000

<https://standards.iteh.ai/catalog/standards/sist/bdd8284d-7a3e-4a4e-8dc2-1dcbce3e9618/sist-en-12654-1-2000>

1 Scope

This European Standard describes the designation system for yarns based on continuous filament textile glass (single yarns, folded yarns) and excludes textures yarns and yarns based on staple fibre, rovings and pre-impregnated yarns.

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 2078:1994, *Textile glass - Yarns – Designation (ISO 2078:1993)*.

3 Designation System

This designation, completed by the yarn producer, includes elements which correspond to the second and third data blocks of the frame text which has been established for plastic and composites products.

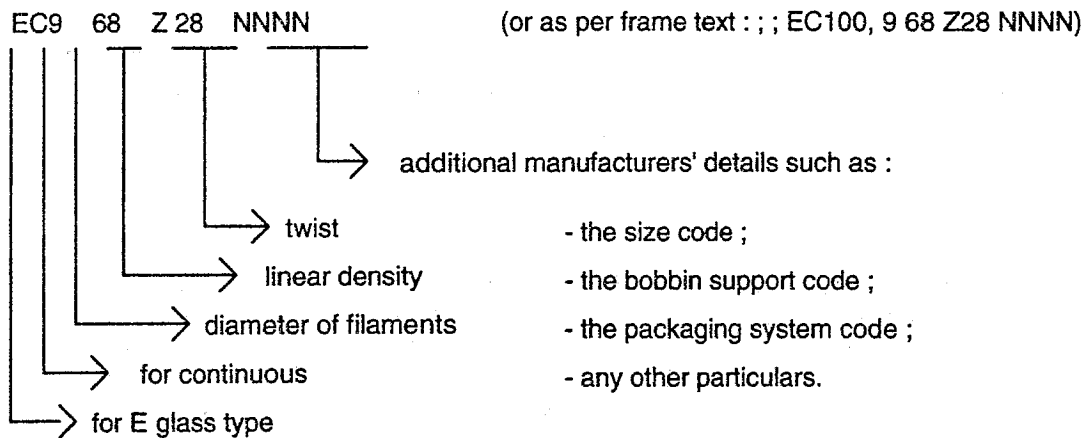
Whith regard to EN ISO 2078, the designation as defined in this frame text, comprises also a value which specifies the mass percentage of the material, in this case the glass.

As a summary, the designation as per EN ISO 2078 is build with :

- the glass type ;
- the structure of basic filament ;
- the diameter of filaments (in micrometer) ;
- the linear density of the yarn in tex ;
- the direction of twist and number of turns per meter.

Typical examples :

a) single yarn



b) folded (Plied) yarn (simplified designation)

EC9 34 X3 S 150 NNNN (or as per frame text : ; ; EC100, 9 34 X 3 S 150 NNNN)

↓

In this case, the folded yarn is made from 3 simple yarns of 9 - 34
in Z twist, twisted together in S twist.

ITh STANDARD PREVIEW
(standards.iteh.ai)

c) cabled yarn (simplified designation)

EC 9 34 X 2 X 3 Z 80 NNNN (or as per frame text : ; ; EC100, 9 34 X2X3 Z 80 NNNN)

For more details, refer to EN ISO 2078.