



SLOVENSKI STANDARD
SIST EN 699:1999
01-marec-1999

Vlaknene vrvi za vsakovrstno uporabo - Polipropilen

Fibre ropes for general service - Polypropylene

Faserseile für allgemeine Verwendung - Polypropylen

Cordages en fibres pour usages divers - Polypropylène

Ta slovenski standard je istoveten z: EN 699:1995

ITEN STANDARD PREVIEW
(standards.iteh.ai)
<https://standards.iteh.ai/catalog/standards/sist/4ca731c9-3ecf-4039-88b9-f65ccb7bd06f/sist-en-699-1999>

ICS:

59.080.50 Vrvi Ropes

SIST EN 699:1999 **en**

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 699:1999

<https://standards.iteh.ai/catalog/standards/sist/4ca731c9-3ecf-4039-88b9-f65ccb7bd06f/sist-en-699-1999>

EUROPEAN STANDARD

EN 699

NORME EUROPÉENNE

EUROPÄISCHE NORM

August 1995

ICS 59.080.50

Descriptors: textiles, cordages, polypropylene, designation, specifications, linear density, breaking load, marking

English version

Fibre ropes for general service - Polypropylene

Cordages en fibres pour usage divers - Faserseile für allgemeine Verwendung
Polypropylène PolypropylenITC STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 699:1999

<https://standards.iteh.ai/catalog/standards/sist/4ca731c9-3ecf-4039-88b9-f65ccb7bd06f/sist-en-699-1999>

This European Standard was approved by CEN on 1995-07-02. 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.

The European Standards exist 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.

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

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

© 1995

All rights of reproduction and communication in any form and by any means reserved in all countries to CEN and its members.

Ref. No. EN 699:1995 E

Contents

	Page
Foreword	
1 Scope	4
2 Normative references	4
3 Definitions	4
4 Designation	4
5 Construction	5
6 Marking	5

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 699:1999

<https://standards.iteh.ai/catalog/standards/sist/4ca731c9-3ecf-4039-88b9-f65ecb7bd06f/sist-en-699-1999>



Foreword

This European Standard has been prepared by the Technical Committee CEN/TC 248 "Textiles and textile products", of which the secretariat is held by BSI.

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 February 1996, and conflicting national standards shall be withdrawn at the latest by February 1996.

According to 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 the United Kingdom.

This standard is based on ISO 1346 "Ropes - Polypropylene - Specification"

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 699:1999

<https://standards.iteh.ai/catalog/standards/sist/4ca731c9-3ecf-4039-88b9-f65ccb7bd06f/sist-en-699-1999>



1 Scope

This European standard specifies requirements for 3-strand hawser-laid and 4-strand shroud-laid ropes and 8-strand plaited ropes for general service made of polypropylene and gives rules for their designation.

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 701: 1995	Fibre ropes for general service - General specification
EN 919	Fibre ropes for general service - Determination of certain physical and mechanical properties
ISO 1968	Ropes and cordage - Vocabulary

3 Definitions

For the purposes of this standard, the definitions given in ISO 1968 apply.

4 Designation

Fibre ropes shall be designated by

- the words "fibre rope";
- the number of this European standard;
- the construction or type of rope (see clause 5);
- the reference number of the rope;

- the material from which the rope is made.

NOTE: The material from which the rope is made may be indicated either its full name "polypropylene", or by means of its abbreviation "PP".

EXAMPLE:

Designation of an 8-strand plaited rope with a linear density of 1 630 ktex corresponding to the reference number 60 made of polypropylene:

Fibre rope EN 699 - L - 60 - polypropylene

5 Construction

Polypropylene ropes produced to this European standard shall be made in one of the following constructions:

- type A: 3-strand hawser-laid rope (see figure 1);
- type B: 4-strand shroud-laid rope (see figure 2);
- type L: 8-strand plaited rope (see figure 3).

Linear density and minimum breaking force shall conform to tables 1, 2 and 3 (see also tables 1 and 2 of EN 701: 1995).

Construction, manufacture, lay, labelling, packaging, invoicing and delivery lengths, shall conform to EN 701.

6 Marking

The marking shall be carried out in accordance with clause 7 of EN 701:1995.

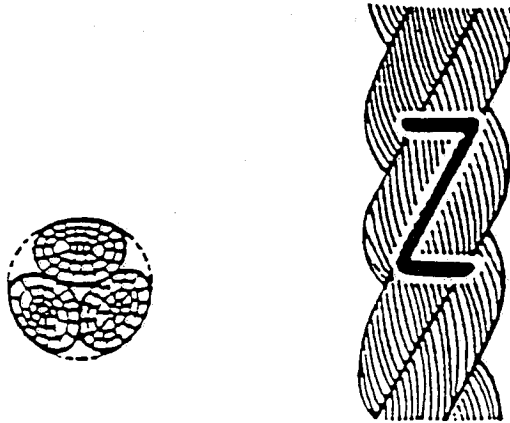


Figure 1: Shape of a 3-strand hawser-laid rope (type A)

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 699:1999

<https://standards.iteh.ai/catalog/standards/sist/4ca731c9-3ecf-4039-88b9-f65ccb7bd06f/sist-en-699-1999>

Table 1: 3-strand hawser-laid polypropylene ropes (type A)

Reference Number ¹⁾	Linear density ²⁾		Minimum breaking force daN
	nominal ktex	tolerance	
4	8	= 10 %	275
6	17		590
8	30		1 040
10	45	= 8 %	1 530
12	65		2 170
14	90		2 990
16	115		3 700
18	148	= 5 %	4 720
20	180		5 690
22	220		6 820
24	260		7 970
26	305		9 220
28	355		10 500
30	405		12 000
32	460		13 200
36	585		16 600
40	720		20 100
44	880		24 100
48	1 040		28 000
52	1 220		32 400
56	1 420		37 100
60	1 630		42 400
64	1 850		48 000
72	2 340		60 300
80	2 900	74 100	
88	3 510	88 900	
96	4 170	105 000	

¹⁾ The reference number corresponds to the approximate diameter in millimetres.
²⁾ The linear density (in ktex) corresponds to the net mass per length (in grams per metre) or to the mass of rope per length (in kilograms per thousand metres).
³⁾ The linear density is measured under tensile loading for measurement F_c as given in EN 919.