

SRI LANKA STANDARD 112:2012

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**SPECIFICATION FOR
COTTON SEWING THREADS
(Second Revision)**

SRI LANKA STANDARDS INSTITUTION

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Gr.6

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**SRI LANKA STANDARDS INSTITUTION
17, Victoria Place
Elvitigala Mawatha
Colombo 08
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FOREWORD

This standard was approved by the Sectoral Committee on Textiles, Clothing and Leather and was authorized for adoption and publication as a Sri Lanka Standard by the Council of the Sri Lanka Standards Institution on 2012-01-27.

This standard was first published in 1971. In the first revision, a test for sewability has been included to establish sewing performance of threads used for industrial purposes. In this revision requirements and limits for linear density and breaking strength have been revised.

Sewing thread is designated by a ticket number which is an indication of the amount of raw fibre in the thread. It is widely used by the manufacturers and industrial thread consumers to describe approximately the thickness of the thread. The method of deriving metric ticket number is given in Appendix **B** as guidance.

Guidelines for the determination of the compliance of a lot with the requirements of this standard based on statistical sampling and inspection are given in Appendix **A**.

For the purpose of deciding whether a particular requirement of this specification is complied with, the final value, observed or calculated, expressing the result of a test or an analysis shall be rounded off in accordance with **SLS 102**. The number of significant places to be retained in the rounded off value shall be the same as that of the specified value in this specification.

In the preparation of this standard, the valuable assistance derived from the following publication is gratefully acknowledged.

BS 7318: 1990 British Standard Industrial sewing threads made from linen (flax) or cotton.

1 SCOPE

1.1 This specification prescribes the requirements and methods of test and sampling for bleached or dyed cotton sewing threads.

2 REFERENCES

SLS	16	Standard atmosphere for conditioning and testing of textiles
SLS	20	Method for the determination of linear density (mass per unit length) of yarn from packages by the skein method
SLS	22	Determination of singles end breaking force and elongation at break of yarn from packages
SLS	62	Method for determination of colour fastness of textile materials Part 2: Colour fastness to artificial light xenon arc fading lamp test
SLS	67	Method for determination of colour fastness of textile materials to perspiration
SLS	102	Rules for rounding off numerical values
SLS	428	Random sampling methods
SLS	1357	Method for the determination of colour fastness of textile materials to washing soap or soap & soda

3 REQUIREMENTS

3.1 The threads shall be evenly twisted and shall have a uniform thickness. Threads shall be free from knots, snarls and major faults.

3.2 Sewing thread shall have a uniform bleached or / and dyed to the required shade and shall be free from dyeing defects.

3.3 The threads shall be finished soft, mercerized or glazed as required. The finishing and dressing materials liable to cause subsequent tendering shall not be used.

3.4 The direction of final twist of sewing thread shall be Z. twist.

Note: *In special circumstances S twist is also allowed.*

3.5 The linear density of sewing thread shall be within 5 per cent of the value specified in Column 3 of Table 1 when tested by the method prescribed in **SLS 20**. The co-efficient of variation for linear density shall be less than 3 per cent.

3.6 The breaking strength of thread shall be not less than the value specified in Column 4 of Table 1 when tested by the method prescribed in **SLS 22**.