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**METHOD FOR  
DETERMINATION OF COMMERCIAL MASS  
(WEIGHT) OF CONTINUOUS FILAMENT  
RAYON YARN AND ACETATE YARN AND  
THEIR MIXTURE**

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BUREAU OF CEYLON STANDARDS

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COLOMBO 3.**

Sri Lanka Standards are subject to periodical revision in order to accommodate the progress made by industry. Suggestions for improvement will be recorded and brought to the notice of the Committees to which the revisions are entrusted.

This Standard does not purport to include all the necessary provisions of a contract.

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# SRI LANKA STANDARD METHOD FOR DETERMINATION OF COMMERCIAL MASS (WEIGHT) OF CONTINUOUS FILAMENT RAYON YARN AND ACETATE YARN AND THEIR MIXTURE

## FOREWORD

This Sri Lanka Standard has been prepared by the Drafting Committee on Test Methods for Textiles. It was approved by the Textiles Divisional Committee of the Bureau of Ceylon Standards and was authorised for adoption and publication by the Council of the Bureau on 5th December, 1973.

All quantities and dimensions specified in this standard are given in the International System of Units (SI). In reporting the result of a test made in accordance with this standard, if the final value, observed or calculated, is to be rounded off, it shall be done in accordance with C.S. 102 : Ceylon standard on presentation of numerical values.

In the preparation of this standard, considerable assistance derived from publications of the Indian Standards Institution is gratefully acknowledged.

## 1. SCOPE

This standard prescribes a method for determination of commercial mass\* of continuous filament rayon yarn and acetate yarn, and their mixture. This method is generally applicable to continuous filament rayon yarns and acetate yarns or their mixture which have been treated with readily removable lubricants and sizes. The method is inapplicable if the yarns have received a special treatment such as synthetic resin or anti-swelling treatment.

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\* The term 'weight' is strictly related to force. However, this standard deals with the quantity 'mass'. As the term mass is unfamiliar in this context, the term 'weight' is being included for an interim period.

## 2. PRINCIPLE

The commercial mass is obtained by removing in a prescribed manner the normal finish and any special lubricant or size that may be present from a sample of the yarn of known mass and adding to the oven-dry mass of the washed sample, a percentage (the conventional allowance) to cover moisture and normal finish. If the yarn is specially lubricated or sized, a further addition may be made to cover the special lubricant or size.

## 3. DEFINITIONS

For the purpose of this standard the following definitions shall apply.

**3.1 Acetate** - Fibres and filaments consisting wholly or mainly of cellulose acetate.

**Note:-** The term acetate is now generally accepted as referring to the approximately five-sixths acetylated cellulose soluble in acetone and referred to formerly as diacetate.

**3.2 Lot** - All the rayon yarn, acetate yarn or their mixture of one definite type and grade, despatched, transported and delivered together and packed in one type of package.

**3.3 Oven-dry mass** - The mass of textile material obtained by drying it at a temperature of 105° to 110° C.

**3.4 Package** - A general term for bobbin, pirn, cone, cake, hank etc. of yarn. Yarn is put up in such forms for convenience in transporting it and processing it further.

**3.5 Rayon** - A fibre consisting wholly or mainly of regenerated cellulose.

**3.6 Tare** - The sum of the masses of all the wrappers and containers, such as cases, sacking and yarn support material.

## 4. PROCEDURE FOR RAYON YARN OR ACETATE YARN

**4.1 Determination of mass of lot of yarn** - Determine the net mass of the yarn in each case, bale or beam making up the lot of