

**MAURITIAN
STANDARD
22 : 1980**



**Standard for
Universal System for Designating
Linear Density of Textiles
(Tex System)**

FOREWORD

This standard was drawn up by the Technical Committee on Textiles and Related Products and approved by the Standards Council on 21 st May 1980. It was notified as a Mauritian Standard in the Government Gazette on 10th August 1980.

In preparing this standard reference was made to the following:—

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|-----------------|-----|--|
| ISO 1144 : 1973 | ... | Textiles — Universal system for designating linear density (Tex System) |
| BS 947 : 1970 | ... | Universal system for designating linear density of textiles (Tex System) |

Acknowledgement is made for the use of information from the above publications.

PREVIEW

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PREVIEW

**MAURITIAN STANDARD FOR UNIVERSAL SYSTEM FOR DESIGNATING
LINEAR DENSITY OF TEXTILES (TEX SYSTEM)**

INTRODUCTION

The coarseness or the fineness of textile yarns is normally quantified by numerical systems which may be classified into two groups:

- (a) *Direct Systems* — in which the coarseness or the fineness of the yarn is expressed in terms of the mass of yarn per unit length i.e. a direct measure of the linear density. The results of such measurements are often known as yarn numbers or yarn titres.
- (b) *Indirect Systems* — in which the coarseness or the fineness of the yarn is expressed in terms of the length of yarn per unit mass i.e. an inverse measure of the linear density. The results of such measurements are usually known as yarn counts.

1. SCOPE

This Mauritian Standard defines the linear density of textile yarns by the use of the Tex System and includes conversion tables for calculating the tex values of numbers or counts in other systems (Appendix A). The Tex System is applicable to all kinds of textile fibres, intermediate products (e.g. tops, slivers and rovings), yarns and similar structures.

2. CHARACTERISTICS OF THE SYSTEM
