

# Australian Standard 1010—1972

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## METHOD FOR THE DETERMINATION OF LINEAR DENSITY OF TEXTILE YARN FROM PACKAGES

METRIC UNITS

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Associated Chambers of Manufactures of Australia  
Australian Knitting Industries Council  
Australian and New Zealand Railways Conferences  
Australian Wool Board  
Australian Wool Testing Authority  
Commonwealth Scientific and Industrial Research Organization  
Cotton and Allied Textile Manufacturers Association of Australia  
Cotton and Man-Made Fibres Federation  
Cordage Institute of Australia  
Department of Army  
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Gordon Institute of Technology  
Society of Dyers and Colourists of Australia  
University of New South Wales  
Wool Textile Manufacturers of Australia

This standard, prepared by Committee TX/1, Physical Testing of Textiles, was approved on behalf of the Council of the Standards Association of Australia on 31 May 1972.

To keep abreast of progress in industry, Australian standards are regularly reviewed. Suggestions for improvements to published standards, addressed to the head office of the Association, are welcomed.

## PREFACE

This standard lays down the procedures to be used for determination of linear density of yarn, conditioned in the standard atmosphere of  $20 \pm 2^{\circ}\text{C}$  and  $65 \pm 2$  per cent r.h. Where linear density free from removable matter is required the yarn is scoured by a selected standard procedure after measuring its length then weighed for determining linear density.

Although it is obviously more convenient when determining linear densities in tex units to use a wrap-reel of 1 metre perimeter, the use of reels of other sizes is permitted, since a very large number of such reels are in use. Whatever the dimensions of the reel used, however, linear densities are calculated in tex. Conversion of these values to other counting systems can be made by the use of tables given in Appendix D.

In the preparation of this Australian standard, consideration was given to BS 2010, ASTM D1907 and Draft Recommendation 2060 issued by the International Organization for Standardization (ISO).

Attention is drawn to Australian Standard 1128, Preferred Metric Units for Textiles, which gives a number of conversion factors from imperial units to the preferred metric units for use in the textile industry.

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