

Australian Standard<sup>®</sup>

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**TEXTILES—  
MOPS—  
WET**

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Australian Chamber of Manufactures

Education Department of Victoria

Government Supply Department, N.S.W.

Textile, Clothing & Footwear Council of Australia Ltd

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## PREFACE

This Standard was prepared by the Association's Committee for Mops under the direction of the Textile Standards Board to supersede AS Z15-1961, *Cotton mops*.

This Standard differs from AS Z15 in that net mass of yarn is specified instead of standard sizes.

It states requirements for all wet mops and sets out a means for specifying the mass of yarn and percentage fibre type.

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## STANDARDS ASSOCIATION OF AUSTRALIA

**Australian Standard**  
**TEXTILES—MOPS—WET**

**1 SCOPE.** This Standard specifies requirements for wet mops including mass and type of fibre, and yarn and attachment of yarn.

**2 APPLICATION.** The Standard is applicable to wet mops of both the socket and sewn types made from cotton and blended polyester/cotton yarns.

**3 REFERENCED DOCUMENTS.** The Standards below are referred to in this Standard.

AS

1010 Method for the determination of linear density of textile yarn from packages

2001 Methods of test for textiles

Method 1: Conditioning procedures (AS 2001.1)

Method 2.3: Physical tests—Determination of breaking force and extension of textile fabrics (AS 2001.2.3)

Method 2.7: Physical tests—Determination of breaking force and extension of yarns (AS 2001.2.7)

Method 7: Quantitative analysis of fibre mixtures (AS 2001.7) (see Note)

2622 Textile products—Fibre content labelling

NOTE: AS 2001.7 comprises 20 methods. The method(s) used will depend on the fibres used in the mop.

**4 DEFINITIONS.** For the purpose of this Standard, the definitions below apply.

**4.1 Wet mop**—a mop comprised of strands of spun yarn held together by a metal or plastics ferrule or by a sewn cotton band or some other means that is used for wet cleaning of floors, walls or other items.

**4.2 Single yarn**—a thread produced by one unit of a spinning machine.

**4.3 Tenacity**—the yarn breaking force (in millinewtons) divided by the yarn linear density (tex), expressed in millinewtons per tex (mN/tex).

**5 FIBRE CONTENT.** The percentage fibre content of the yarn shall be specified in accordance with AS 2622, Method A.

When determined in accordance with the relevant method of AS 2001.7 the difference between the nominal percentages and the actual percentages of the masses of the fibres as shall not be greater than five percent of the total mass of the yarn.

**6 YARN REQUIREMENTS.**

**6.1 General.** Where a definite quality is required by the purchaser, the yarn shall satisfy a specification laid down by the purchaser and, if required, match a standard sealed sample. A special purchase of this type is a matter for agreement between the purchaser and the supplier. Otherwise, the yarn shall comply with either Clause 6.2 or Clause 6.3.

**6.2 Cotton yarn.** The cotton yarn shall be as follows:

**6.2.1 Fibre content.** Cotton yarn shall contain 95 percent or more by mass of cotton fibre.

**6.2.2 Linear density.** When determined in accordance with AS 1010 the linear density of a single yarn shall be not less than 140 tex nor greater than 320 tex.

**6.2.3 Tenacity.** When determined in accordance with AS 2001.2.7 and AS 1010 the tenacity (see Clause 4.3) of the cotton single yarn shall not less than 50 mN/tex.

**6.3 Polyester/cotton yarn.**

**6.3.1 Fibre content.** Polyester/cotton yarn shall be composed of 50 ±5 percent cotton and 50 ±5 percent polyester and shall be blended.

**6.3.2 Linear density.** When determined in accordance with AS 1010 the linear density of a single yarn shall be not less than 70 tex nor greater than 160 tex.

**6.3.3 Tenacity.** When determined in accordance with AS 2001.2.7 and AS 1010 the tenacity (see Clause 4.3) of the single yarn shall be not less than 100 mN/tex.

**7 MASS OF YARN.** The mass of yarn in a mop, in grams, shall be not less than the net mass marked on the mop.

In the event of a dispute, the mass of the yarn shall be taken as the mass after conditioning in an atmosphere of 20 ± 2°C and 65 ± 2 percent relative humidity in accordance with AS 2001.1 (Method A).

**8 SOCKET MOPS.** (See Figures 1 to 3.)

**8.1 Materials.** The socket shall be made from plated steel (minimum of 18 Gauge) (see Figures 1 and 2), plastics (see Figure 3), or from some other material suitable for its intended use.

**8.2 Ferrule dimensions.** The dimensions of the ferrule shall be as follows:

(a) *Inside diameter.* The inside diameter of the ferrule shall be—

(i) 22.5 ±0.5 mm; or

(ii) 25.5 ±0.5 mm.

NOTE: Ferrules of these diameters are intended for use with handles of nominal diameters 22 mm and 25 mm respectively.

(b) *Depth.* The ferrule shall be of sufficient depth to allow insertion of not less than 35 mm of the handle.

**8.3 Attachment.** The yarn of the mop shall be securely fastened to the socket either by a non-corrosive staple of minimum thickness 2 mm (see Figure 1) or a non-corrosive wire of minimum thickness 4 mm (see Figure 2).