



THE WOOLMARK COMPANY

WOOLMARK SPECIFICATION

AUSTRALIAN MERINO WOOL

SPECIFICATION AK-4

Effective 1 January 2016

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SPECIFICATION AK-4: 2016

AUSTRALIAN MERINO WOOL

PRODUCTS

- **Australian Merino Wool** may be applied to all Woolmark certified apparel products that meet the criteria detailed in this specification.
- Australian Merino Wool **must not** be used on Woolmark Blend or Wool Blend branded products.

Australian Merino Wool Criteria

Products must meet all requirements in Woolmark Specifications AK-1: Knitted apparel products, AW-1: Woven apparel products, SY-1: Yarns, SF-1: Knitted fabrics or SF-2: Woven fabrics.

Property	Test method	Requirements
Wool content	TM155	Pure New Wool
Mean wool fibre diameter (µm: absolute maximum)	TM22 or TM23 or TM24	19.75
Percentage of Australian wool	Confirmation: wool importer's or wool supplier's certificate to be submitted by licensee	85%: minimum

- This table must be read in conjunction with the notes that follow.

NOTES

TWC-TM22, TM23, TM24 for fibre diameter

1. The mean wool fibre diameter is determined from yarn or fibre (as appropriate) removed from fully finished product. The absolute limit of 19.75µm for the mean fibre diameter of Australian Merino Wool represents the required maximum of 19.5µm with an allowance of 0.25µm for the error in the measurement.
2. Each yarn type used in knitted products must be evaluated separately and each must meet the requirements.
3. It is known that the mean fibre diameter can increase during textile processing due to preferential loss of finer fibres and the effects of dyes. It is not known how much change will occur for any particular set of circumstances but in order to meet the end product requirement it is advised that wools with diameters closer to 19µm be chosen at the raw material stage.
4. In some instances, the mean fibre diameter determined using TM22 or TM23 may give an inaccurate result. This can occur if the fabric is milled or treated with a shrink-resist polymer or if yarn is highly twisted. In such cases, the result from Woolmark TWC-TM24 should be accepted. In cases of dispute, the result from Woolmark TWC-TM24 must be accepted.

Percentage of Australian wool

The wool must be from pure Merino sheep and written confirmation must be supplied.

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