



THE WOOLMARK COMPANY

WOOLMARK SPECIFICATION

MERINO ULTRAFINE

SPECIFICATION AK-3

Effective 1 January 2016

WOOLMARK SPECIFICATION

SPECIFICATION AK-3: 2016

MERINO ULTRAFINE

PRODUCTS

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

Merino Ultrafine 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 fabric and SF-2: Woven fabric.

Property	Test method	Requirements
Wool content	-	Pure New Wool
Mean wool fibre diameter (µm: absolute maximum)	TM22 or TM23 or TM24	17.75

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

NOTES

TWC-TM22, TM23, TM24 for wool fibre diameter

1. The mean wool fibre diameter is determined from yarn or fibre (as appropriate) removed from fully finished product. The limit of 17.75µm for the mean fibre diameter of Ultrafine Merino represents the required maximum of 17.5µm 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 owing 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 to meet the end product requirement, choose wools with diameters closer to 17µm at the raw material stage.
4. In some instances, the mean fibre diameter determined using TM22 or TM23 might 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.

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