



THE WOOLMARK COMPANY

# WOOLMARK SPECIFICATION

MERINO EXTRAFINE

## SPECIFICATION AK-2

Effective 1 January 2016

# WOOLMARK SPECIFICATION

## **SPECIFICATION AK-2: 2016**

### ***MERINO EXTRAFINE***

#### **PRODUCTS**

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

## Merino Extrafine 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	-	Pure New Wool
Mean wool fibre diameter ( $\mu\text{m}$ : absolute maximum)	TM22 or TM23 or TM24	19.75

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

## NOTES

### TWC-TM22, TM23, TM24 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  $19.75\mu\text{m}$  for the mean fibre diameter of Extrafine Merino represents the required maximum of  $19.5\mu\text{m}$  with an allowance of  $0.25\mu\text{m}$  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 in order to meet the end product requirement, it is advised that wools with diameters closer to  $19\mu\text{m}$  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.

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