

What the fabric manufacturer and knitter look for

Mr David Alexander
Australian Country Spinners

What is a fabric manufacturer?

- Weaver
 - Apparel
 - Furnishing
- Knitter
 - Apparel
- Non-woven
 - Apparel
 - Domestic
 - Technical

Weaver

Decision on yarn specification is dependent upon:

- type of fabric required
- price point.

Weaving Loom



Weaver: types of woven fabrics and options

- Piece-dyed or colour woven
- Design
- Weave
- Weight
- Type of finish
- Handle

Weaver: typical specification for worsted weaving yarn

TEST REPORT

Product Code:			
Composition:			
Type:		Blend Number:	
Count:	E.W.C.	Batch Weight:	kg
Quality:		Shade Number:	
micron:	μ	Description:	

PARAMETERS (AT MILL CONDITION)	Results	Specification	Measure
Count			E.W.C or Nm or Tex
Single and 2 fold Twist			TPM
Yarn Irregularity			C.V.%
Thin Places			<50%
Thick Places			>50%
Neps			>200%
Tenacity			cN/TEX
Elongation %			%
Moisture Regain - Forté			%
Friction			C.V.% Friction
RAW MATERIAL DETAILS (SUPPLIER'S TEST RESULTS)	Results	Specification	Measure
Fibre Length – Hauteur			mm
Micron (Laserscan)			μ
Fibre Diameter C.V.%			C.V.%
Vegetable Matter			points
Felting Shrinkage – Sliver			%

Knitter

Knitters typically specialise using product-specific machinery of various gauges, including:

- Circular knitting
 - Large diameter, e.g. cut and sewn garments
 - Body width, e.g. thermal garments
 - Small diameter, e.g. socks
- Flat bed knitting
 - Cut and sewn garments, e.g. low-end outerwear
 - Shaped and fashioned garments, e.g. high-end outerwear
- Whole garments
 - Complete garment is constructed on one machine.

Circular knitting







Flat bed knitting



Whole-of-garment knitting



Knitter: types of knitted fabrics and options

- Piece-dyed or ‘in grain’
- Structure
 - Jersey
 - Rib
 - Jacquard
 - Loop and terry
- Weight
- Type of finish
- Handle

Knitter: typical specification for worsted knitting yarn

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Summary

What the weaver and knitter look for:

- yarns that meet the specified quality for a particular end use
- yarns within a certain price range
- efficient service and supply chain.