

## 4.8 Underwear & Foundations

Yarn & Fibre properties			Requirements
ISO 1833 (1977) / BS 4407	Fabric composition	M	100%: no tolerance Blend: +/- 3%
ISO 2060	Yarn Count	M	+/- 5%
ISO 3801(1977)	Fabric Weight	M	+/- 5%
<b>Compulsory tests</b>			
ISO 6330 ISO 5077 (2007)	Dimensional stability to washing	M	5% max.(knitted) 2% max. (woven)
<b>Colour fastness</b>			
Change: ISO 105 A02 ISO 105-C08 (2002)  Staining: ISO 105 A03 ISO 105-C08 (2002)	Colour fastness to washing	M	Colour change: 4  Staining:4 Staining contrast trims: 4-5
ISO 105 - X12 (2002)	Colour fastness to rubbing	M	Dry: 4 Wet: 3-4  Prints and fade-out fabrics Dry: 3-4 Wet: 2-3
<b>Tests on demand</b>			
ISO 105 - E04 (2002)	Colour fastness to perspiration	O	Colour change: 4 Staining: 3-4  Contrast colours garments: Staining: 4-5
ISO 105 – E01 (2002)/ BS 1006 E01	Colour fastness to water	O	Colour change: 4 Staining: 4
ISO 105 B02 (2002)/ BS 1006 B02	Colour fastness to light	O	Grey scale: 3 BSW: 3
<b>Mechanical &amp; Physical properties</b>			
ASTM D 1230-10 (2016)e1	Flammability	O	Articles must comply with the nightwear (Safety) Regulations for adults and Children's nightwear
ISO 2960 (1974) / BS 4768	Bursting strength	O	280 kPa
ISO 13934 (1999)	Tensile strength	O	9 kg.
ISO 13935 (1999)	Seam strength	O	8 kg.
ISO 13937–1 (Elmendorf)	Tear strength	O	0.8 kg.
ISO 13936 (2004)	Seam slippage	O	7 kg. (S.O. 6 mm)

**M= Mandatory / O= Optional (only on request of Wehkamp)**