



HM Prison & Probation Service

DATA SHEET 100% Polyester - Tricot

Table 1: Description	
MOJ Product #	T35616310- Yellow T35616311- Orange
Construction	100% Polyester Knitted Fabric
Colour	Pantone. Yellow – 12-0643 TCX Orange – 16-1364 TCX
Product used to manufacture	Hi-Visibility vests

Table 2: Construction		
Parameter	Test method	Requirement
Fibre composition	BS EN ISO 1833	100% polyester
Weave	ISO 7211-1 / BS 2861	Knitted
Threads per inch	BS EN 1049-2	79*75
Weight	BS EN 12127	125g/m ²
Width	BS EN 1773 or BS ISO 22198	158cm useable - no minus tolerance
Roll length		
Skew	BS EN ISO 13015	3% max at any point across width

Table 3: Physical tests		
Parameter	Test method	Requirement
Bursting strength	BS EN ISO 13938-1-1999	Warp >200 – Weft > 200N
Dimensional stability to washing	BS EN ISO 6330 Type A Wash procedure 4N Reference Detergent #3 No of cycles: 25 Do not bleach – do not dry clean	+/- 3%

Table 4: Colour fastness tests		
Parameter	Test method	Requirement
Rubbing dry/Wet	BS EN ISO 105-X12, ISO EN 105-A03	Grade 4
Perspiration	ISO 105-E04 – A02, A03	Grade 4
Washing	Domestic – ISO 105 – C06 – Background material	Grade 4-5

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	According to care recommendations in ISO 3758	
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Notes

Fabric must comply with EN ISO 20471:2013+A1:2016 Class 2

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DATA SHEET 100% Polyester FR Net

Table 1: Description	
MOJ Product #	T35600370
Construction	Warp knitted, honeycomb, hexagon of 2mm
Finish	Scoured, fully shrunk heat set
Colour	Pantone shade: White
Product usage	Privacy Curtains

Table 2: Construction		
Parameter	Test method	Requirement
Fibre composition	BS ISO 7211-5	100% Polyester FR
Weave	BS 5441	Knitted
Yarn	BS ISO	300D / FDY
Weight	BS EN 12127	112 g/m ²
Width	BS EN 1773 or BS ISO 22198	116 cm minimum useable No minus tolerance
Roll length		75m +/- 2m

Table 3: Physical tests		
Parameter	Test method	Requirement
Dimensional stability to washing	BS EN ISO 5077 & BS EN ISO 6330 Wash procedure 7N; Drying procedure: F (Tumble dry) Reference Detergent #3 No of cycles: 5	±4% (length and width)
Bursting strength	BS EN ISO 13938-1	>800Kpa
Flame Retardant	BS 5867- Part 2 Type C BS EN IOS 12952 Part 1 & 2	Pass

Additional information

All fabric must be able to withstand a 70° industrial wash for 2 minutes and tumble dried.

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DATA SHEET 100% Polyester Net

Table 1: Description	
MOJ Product #	T35600375
Construction	Warp knitted, honeycomb, hexagon of 2mm, clean salvage
Finish	Scoured, fully shrunk heat set
Colour	Pantone shade: White
Product usage	Laundry bags

Table 2: Construction		
Parameter	Test method	Requirement
Fibre composition	BS ISO 7211-5	100% Polyester
Weave	BS 5441	Knitted
Yarn	BS ISO	300D / FDY
Weight	BS EN 12127	112 g/m ²
Width	BS EN 1773 or BS ISO 22198	180cm minimum useable No minus tolerance
Roll length		100m +/- 2m

Table 3: Physical tests		
Parameter	Test method	Requirement
Dimensional stability to washing	BS EN ISO 5077 & BS EN ISO 6330 Wash procedure 7N; Drying procedure: F (Tumble dry) Reference Detergent #3 No of cycles: 5	±4% (length and width)
Bursting strength	BS EN ISO 13938-2	>800Kpa

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**HM Prison &
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DATA SHEET
95% Cotton 5% Elastane

Table 1: Description	
MOJ Product #	T35600815
Construction	95% cotton 5% elastane
Finish	Heat-set 160°C
Colour	Pantone Yellow 12-0826 TCX
Product used to manufacture	Knickers

Table 2: Construction		
Parameter	Test method	Requirement
Fibre composition	BS EN ISO 1833	95% cotton 5% elastane
Knit construction	ISO 7211-1 / BS 2861	Knitted
Yarn	BS ISO 7211-5	Face 40s Elastane 40D
Weight	BS EN 12127	140 g/m ² +/- 3%
Width	BS EN 1773 or BS ISO 22198	180cm minimum useable, no minus tolerance
Roll length	NA	75m +/-2m
Skew	BS EN ISO 13015	3% max at any point across width

Table 3: Physical tests		
Parameter	Test method	Requirement
Dimensional stability to washing	BS EN ISO 5077 & BS EN ISO 6330 Wash procedure 7N; Drying procedure: F (Tumble dry) Reference Detergent #3 No of cycles: 5	±5% (length and width)
Pilling	BS EN ISO 12945-1 Tested after w wash BS EN ISO 6330: 7N, tumble dry. 18,000 revs/10 hours	Grade 3-4 min
Abrasion	BS EN ISO 12947-2, 9kPa load Physical end point: 2 threads broken	End point:26,000 min Col change: Grade 4 min
Snagging	BS 8479	Grade 4

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Table 4: Colour fastness tests		
Parameter	Test method	Requirement
Washing	BS EN ISO 105-C06, D1S (70°C)	Colour change: 4 min Staining on cotton and nylon: 4 min
Water	BS EN ISO 105-E01	Colour change: 4 min Staining on cotton and nylon: 4 min
Rubbing	BS EN ISO 105-X12	Dry 4 min Wet 4 min
Colourfast to perspiration acid & alkali	BS EN ISO 105-E04	4 min

Additional information

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DATA SHEET 72% cotton 28% Polyester

Table 1: Description	
MOJ Product #	T35600617
Construction	72% cotton 28% polyester
Finish	Heat-set 160°C
Colour	Pantone Charcoal 19-0201 TCX
Product used to manufacture	Sweatshirts

Table 2: Construction		
Parameter	Test method	Requirement
Fibre composition	BS EN ISO 1833	72% cotton 28% polyester
Knit construction	ISO 7211-1 / BS 2861	Knitted
Yarn	BS ISO 7211-5	36/s 20/s
Threads per inch	BS EN 5441	Wales 24/inch Course 36/inch +/-3%
Weight	BS EN 12127	280 g/m ² +/- 3%
Width	BS EN 1773 or BS ISO 22198	183cm minimum useable, no minus tolerance
Roll length	NA	30m +/-2m
Skew	BS EN ISO 13015	3% max at any point across width

Table 3: Physical tests		
Parameter	Test method	Requirement
Dimensional stability to washing	BS EN ISO 5077 & BS EN ISO 6330 Wash procedure 7N; Drying procedure: F (Tumble dry) Reference Detergent #3 No of cycles: 5	±5% (length and width)
Pilling	BS EN ISO 12945-1 Tested after w wash BS EN ISO 6330: 7N, tumble dry. 18,000 revs/10 hours	Grade 3-4 min
Abrasion	BS EN ISO 12947-2, 9kPa load Physical end point: 2 threads broken	End point:26,000 min Col change: Grade 4 min
Snagging	BS 8479	Grade 4

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Table 4: Colour fastness tests		
Parameter	Test method	Requirement
Washing	BS EN ISO 105-C06, D1S (70°C)	Colour change: 4 min Staining on cotton and nylon: 4 min
Water	BS EN ISO 105-E01	Colour change: 4 min Staining on cotton and nylon: 4 min
Rubbing	BS EN ISO 105-X12	Dry 3-4 min Wet 3-4 min
Colourfast to perspiration acid & alkali	BS EN ISO 105-E04	3-4 min

Additional information

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DATA SHEET 100% Cotton

Table 1: Description	
MOJ Product #	T35600810
Construction	100% cotton with bee design
Finish	Heat-set 160°C
Colour	Pantone Yellow 12-0642 TCX, Black 19-4008 TCX, Cream background 12-0703TCX
Product used to manufacture	Pyjama bottoms

Table 2: Construction		
Parameter	Test method	Requirement
Fibre composition	BS EN ISO 1833	100% Cotton
Knit construction	ISO 7211-1 / BS 2861	Knitted
Yarn	BS ISO 7211-5	24/S +/-3%
Threads per inch	BS EN 5441	Wales 26/inch Course 50/inch +/-3%
Weight	BS EN 12127	180 g/m ² +/- 3%
Width	BS EN 1773 or BS ISO 22198	180cm minimum useable, no minus tolerance
Roll length	NA	50m +/-2m
Skew	BS EN ISO 13015	3% max at any point across width

Table 3: Physical tests		
Parameter	Test method	Requirement
Dimensional stability to washing	BS EN ISO 5077 & BS EN ISO 6330 Wash procedure 7N; Drying procedure: F (Tumble dry) Reference Detergent #3 No of cycles: 5	±6% (length and width)
Pilling	BS EN ISO 12945-1 Tested after w wash BS EN ISO 6330: 7N, tumble dry. 18,000 revs/10 hours	Grade 3-4 min
Abrasion	BS EN ISO 12947-2, 9kPa load Physical end point: 2 threads broken	End point:26,000 min Col change: Grade 4 min

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Table 4: Colour fastness tests		
Parameter	Test method	Requirement
Washing	BS EN ISO 105-C06, D1S (70°C)	Colour change: 4 min Staining on cotton and nylon: 4 min
Water	BS EN ISO 105-E01	Colour change: 4 min Staining on cotton and nylon: 4 min
Rubbing	BS EN ISO 105-X12	Dry 3-4 min Wet 3-4 min
Colourfast to perspiration acid & alkali	BS EN ISO 105-E04	3-4 min

Additional information

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DATA SHEET Binding

Table 1: Description	
MOJ Product #	T356086
Construction	Knitted – self binding cut at 3.5cm
Finish	Heat set 160°
Colour	Pantone. 15-5218 TCX
Product used to manufacture	T-Shirts

Table 2: Construction		
Parameter	Test method	Requirement
Fibre composition	BS EN ISO 1883	60% Cotton 40% Polyester
Knit construction	BS 5441	Single Jersey
Yarn	BS ISO 7211-5	27's
Weight	BS EN 12127	170 g/m ² +/- 3%
Width	BS EN 1773 or BS ISO 22198	Cut at 3.5cm
Roll length/Box qty	NA	58 m (±2m) continuous roll length without any joint 2,400 m per box
Skew	BS EN ISO 13015	10% max at any point across width

Table 3: Physical tests		
Parameter	Test method	Requirement
Dimensional stability to washing	BS EN ISO 5077 & BS EN ISO 6330 Wash procedure 7N; Drying procedure: F (Tumble dry) Reference Detergent #3 No of cycles: 5	±5% (length and width)
Pilling	BS EN ISO 12945-1 Tested after w wash BS EN ISO 6330: 7N, tumble dry. 20,000 revs	Grade 2-3 min
Spirality	Spirality	0%
Bursting strength	BS EN ISO 13938-2:2019	>600 kpa

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Table 4: Colour fastness tests		
Parameter	Test method	Requirement
Washing	BS EN ISO 105-C06, D1S (70°C)	Colour change: 4-5 min Staining on cotton and nylon: 4-5 min
Colourfast to perspiration acid & alkali	BS EN ISO 105: E04	4-5 min

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DATA SHEET Interlock

Table 1: Description	
MOJ Product #	T35602700 T35604700 T35604705 T35606800 T35606900
Construction	Knitted
Finish	T35602700 – Open width, T35604700 – Open width, T35604705 – Tubular T35606800 – Open width, T35606900 – Open width
Colour	Pantone. T35602700 - White T35604700 – Grey Marl T35604705 – Grey Marl T35606800 – 19-4125 TC – Royal T35600900 – 130859 TC - Yellow
Product used to manufacture	T-Shirts & vests

Table 2: Construction		
Parameter	Test method	Requirement
Fibre composition	BS EN ISO 1883	65% Polyester 35% Cotton
Knit construction	BS 5441	Interlock
Yarn	BS ISO 7211-5	1/40's Ne
Threads per inch	BS EN 1049-2	20-gauge Courses 39 +/- 1 x 34 +/- 1
Weight	BS EN 12127	175 g/m ² +/- 3% 14kg - tubular
Width	BS EN 1773 or BS ISO 22198	Open width – 183cm useable – no minus tolerance Tubular 30" maximum
Roll length	NA	Open width 60m Tubular 250kg
Skew	BS EN ISO 13015	3% max at any point across width

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Table 3: Physical tests		
Parameter	Test method	Requirement
Dimensional stability to washing	BS EN ISO 5077 & BS EN ISO 6330 Wash procedure 7N; Drying procedure: F (Tumble dry) Reference Detergent #3 No of cycles: 5	±3% (length and width)
Pilling	BS EN ISO 12945-1 Tested after w wash BS EN ISO 6330: 7N, tumble dry. 20,000 revs	Grade 3 min
Abrasion	BS EN ISO 12947-2, 9kPa load Physical endpoint: 2 threads broken	End point: 20,000 min Col change: Grade 4 min
Spirality	Spirality	0%
Bursting strength	BS EN ISO 13938-2:2019	>600 kpa

Table 4: Colour fastness tests		
Parameter	Test method	Requirement
Washing	BS EN ISO 105-C06, D1S (70°C)	Colour change: 4-5 min Staining on cotton and nylon: 4-5 min
Colourfast to perspiration acid & alkali	BS EN ISO 105: E04	4-5 min

Additional information

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DATA SHEET Single Jersey

Table 1: Description	
MOJ Product #	T3560825
Construction	Knitted
Finish	Heat set 160°
Colour	Pantone. 15-5218 TCX
Product used to manufacture	T-Shirts

Table 2: Construction		
Parameter	Test method	Requirement
Fibre composition	BS EN ISO 1883	60% Cotton 40% Polyester
Knit construction	BS 5441	Single Jersey
Yarn	BS ISO 7211-5	27's
Weight	BS EN 12127	170 g/m ² +/- 3%
Width	BS EN 1773 or BS ISO 22198	Open width – 180cm useable no minus tolerance
Roll length	NA	Open width 50m (±2m)
Skew	BS EN ISO 13015	10% max at any point across width

Table 3: Physical tests		
Parameter	Test method	Requirement
Dimensional stability to washing	BS EN ISO 5077 & BS EN ISO 6330 Wash procedure 7N; Drying procedure: F (Tumble dry) Reference Detergent #3 No of cycles: 5	±5% (length and width)
Pilling	BS EN ISO 12945-1 Tested after w wash BS EN ISO 6330: 7N, tumble dry. 20,000 revs	Grade 2-3 min
Spirality	Spirality	0%
Bursting strength	BS EN ISO 13938-2:2019	>600 kpa

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Table 4: Colour fastness tests		
Parameter	Test method	Requirement
Washing	BS EN ISO 105-C06, D1S (70°C)	Colour change: 4-5 min Staining on cotton and nylon: 4-5 min
Colourfast to perspiration acid & alkali	BS EN ISO 105: E04	4-5 min

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HM Prison &
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DATA SHEET Cotton Polyester 80:20 Fleece

Table 1: Description	
MOJ Product #	T35600630
Construction	Face ring spun, pile open end
Finish	Heat-set 160°C
Colour	Pantone. TC 18-4006 - Grey
Product used to manufacture	Shorts

Table 2: Construction		
Parameter	Test method	Requirement
Fibre composition	BS EN ISO 1833	80% Cotton 20% Polyester
Knit construction	ISO 7211-1 / BS 2861	Knitted
Yarn	BS ISO 7211-5	Face 1/20 Ne Cotton /Inlay 1/16 Poly Cotton
Threads per inch	BS EN 1049-2	Wales 18/ inch Course 26/ inch
Weight	BS EN 12127	280 g/m ² +/- 5%
Width	BS EN 1773 or BS ISO 22198	185cm minimum useable- no minus tolerance.
Roll length	NA	30m +/-2m
Skew	BS EN ISO 13015	3% max at any point across width

Table 3: Physical tests		
Parameter	Test method	Requirement
Dimensional stability to washing	BS EN ISO 5077 & BS EN ISO 6330 Wash procedure 7N; Drying procedure: F (Tumble dry) Reference Detergent #3 No of cycles: 5	±5% (length and width)
Pilling	BS EN ISO 12945-1 Tested after w wash BS EN ISO 6330: 7N, tumble dry. 20,000 revs	Grade 3 min
Abrasion	BS EN ISO 12947-2, 9kPa load Physical end point: 2 threads broken	End point:20,000 min Col change: Grade 4 min

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Table 4: Colour fastness tests		
Parameter	Test method	Requirement
Washing	BS EN ISO 105-C06, D1S (70°C)	Colour change: 4-5 min Staining on cotton and nylon: 3-4 min
Colourfast to perspiration acid & alkali	BS EN ISO 105-E04	4-5 min

Additional information

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HM Prison &
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DATA SHEET Polyester Cotton – Ribbing

Table 1: Description	
MOJ Product #	T36816301
Construction	2x2 Rib
Finish	Heat-set 160°C
Colour	Pantone: Grey- TCX 18-4006
Product used to manufacture	Boiler suits and workwear jackets

Table 2: Construction		
Parameter	Test method	Requirement
Fibre composition	BS EN ISO 1833	65% Polyester 35% Cotton 1% spandex
Knit construction	BS 5441	Knitted rib
Yarn	BS ISO 7211-5	21 x 21
Threads per inch	BS EN 5441	Wales 26s Courses 45s
Weight	BS EN 12127	400 g/m ²
Width	BS EN 1773 or BS ISO 22198	105cm minimum useable – no minus tolerance
Roll length	NA	35m
Skew	BS EN ISO 13015	3% max at any point across width

Table 3: Physical tests		
Parameter	Test method	Requirement
Abrasion	BS EN ISO 12947-2, 9kPa load Physical endpoint: 2 threads broken	End point: 20,000 min Col change: Grade 4 min
Bursting Strength	BS EN ISO 13938-1	790kpa

Table 4: Colour fastness tests		
Parameter	Test method	Requirement
Light	BS EN ISO 105-B02	3 min
Washing	BS EN ISO 105-C06, D1S (70°C)	Colour change: 4 min Staining on cotton and nylon: 3-4 min
Water	BS EN ISO 105-E01	Colour change: 4 min Staining on cotton and nylon: 3-4 min
Rubbing	BS EN ISO 105-X12	Dry 4 min Wet 3-4 min

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Bleaching (Hypochlorite)	BS EN ISO 15-N01	Colour change 4 min
Bleaching (Peroxide)	BS EN ISO 15-N02	Colour change 4 min

Additional information

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DATA SHEET Cotton Polyester 2/1 Rib

Table 1: Description	
MOJ Product #	T35600616
Construction	Face ring spun, pile open end
Finish	Heat-set 160°C
Colour	Pantone: Grey- TCX 18-4006
Product used to manufacture	Waistband for shorts

Table 2: Construction		
Parameter	Test method	Requirement
Fibre composition	BS EN ISO 1833	97% Cotton 3% Polyester
Knit construction	ISO 7211-1 / BS 2861	Knitted
Yarn	BS ISO 7211-5	Face 1/20 Ne + 70D Elastane
Threads per inch	BS EN 1049-2	Wales 17/ inch Course 24/ inch
Weight	BS EN 12127	370 g/m ² +/- 3%
Width	BS EN 1773 or BS ISO 22198	105cm minimum useable no minus tolerance
Roll length	NA	40m +/-2m
Skew	BS EN ISO 13015	3% max at any point across width

Table 3: Physical tests		
Parameter	Test method	Requirement
Dimensional stability to washing	BS EN ISO 5077 & BS EN ISO 6330 Wash procedure 7N; Drying procedure: F (Tumble dry) Reference Detergent #3 No of cycles: 5	±5% (length and width)
Pilling	ICI Pill Box BS EN ISO 12945-1:2001/BS EN ISO 6330:2012 - 70°C Wash Procedure 7Nh, A3 Tumble Dry. 18,000 Revs/5 Hour	Face 3-4
Snagging Rotating Chamber.	BS 8479:2008	4
Martindale Abrasion	BS EN ISO 12947:1998. Load 9Kpa. End Point either a) 2 Thread Breaks or b) Change in Shade	a) 30,000+ b) Grade 3

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Table 4: Colour fastness tests		
Parameter	Test method	Requirement
Light	BS EN ISO 105-B02	3 min
Washing	BS EN ISO 105-C06, D1S (70°C)	Colour change: 4 min Staining on cotton and nylon: 3-4 min
Water	BS EN ISO 105-E01	Colour change: 4 min Staining on cotton and nylon: 3-4 min
Rubbing	BS EN ISO 105-X12	Dry 4 min Wet 3-4 min
Bleaching (Hypochlorite)	BS EN ISO 15-N01	Colour change 4 min
Bleaching (Peroxide)	BS EN ISO 15-N02	Colour change 4 min

Additional information

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HM Prison &
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DATA SHEET Cotton Elastane– Rib Fleece

Table 1: Description	
MOJ Product #	T35600618
Construction	2x1 Rib
Finish	Visual match to Fleece, heat-set 160°C
Colour	Pantone. Charcoal 19-0201
Product used to manufacture	Sweatshirt ribs

Table 2: Construction		
Parameter	Test method	Requirement
Fibre composition	BS EN ISO 1833	97% Cotton 3% Elastane
Knit construction	BS 5441	Knitted rib
Yarn	BS ISO 7211-5	30/s
Threads per inch	BS EN 5441	Wales 27s +/-3% Courses 42s +/-2%
Weight	BS EN 12127	400 g/m ²
Width	BS EN 1773 or BS ISO 22198	105cm useable – no minus tolerance
Roll length	NA	40m +/-2m
Skew	BS EN ISO 13015	3% max at any point across width

Table 3: Physical tests		
Parameter	Test method	Requirement
Abrasion	BS EN ISO 12947-2, 9kPa load Physical endpoint: 2 threads broken	End point: 20,000 min Col change: Grade 4 min
Bursting Strength	BS EN ISO 13938-1	790kpa

Table 4: Colour fastness tests		
Parameter	Test method	Requirement
Washing	BS EN ISO 105-C06, D1S (70°C)	Colour change: 4 min Staining on cotton and nylon: 4 min
Water	BS EN ISO 105-E01	Colour change: 4 min Staining on cotton and nylon: 4 min
Rubbing	BS EN ISO 105-X12	Dry 4min Wet 3-4 min

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Bleaching (Hypochlorite)	BS EN ISO 15-N01	Colour change 4 min
Bleaching (Peroxide)	BS EN ISO 15-N02	Colour change 4-5 min

Additional Information

All fabric must be able to withstand a 70° wash for 2 minutes and tumble dried.

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HM Prison &
Probation Service

DATA SHEET
60% Polyethylene 10% Polyester 30% Cotton

Table 1: Description	
MOJ Product #	T35600391
Construction	60% Polyethylene 10% Polyester 30% Cotton
Finish	Quilted red stitch
Colour	Pantone: Black
Product used to manufacture	Safer Custody Gowns

Table 2: Construction		
Parameter	Test method	Requirement
Fibre composition	BS EN ISO 1833	60% Polyethylene 10% Polyester 30% Cotton
Yarn	BS ISO 7211-5	400D Polyethylene 150D Polyester 16s Cotton
Weight	BS EN 12127	280 g/m ² +/- 5%
Width	BS EN 1773 or BS ISO 22198	183cm minimum useable – no minus tolerance
Roll length		32m +/- 2m

Table 3: Physical tests		
Parameter	Test method	Requirement
Tensile strength	BS EN ISO 13934-1	Warp: 500N min +/- 5% Weft 500N min +/- 5%
Tear strength	BS EN ISO 13937-3	Warp: 128N min +/- 5% Weft: 128N min +/- 5%
Dimensional stability to washing	BS EN ISO 5077 & BS EN ISO 6330 Wash procedure 7N; Drying procedure: A3 (Tumble dry) Reference Detergent #6 No of cycles: 5	±3% (length and width)
Pilling	BS EN ISO 12945-1 Tested after w wash BS EN ISO 6330: 7N, tumble dry. 36,000 revs/10 hours	Grade 3-4 min
Abrasion	BS EN ISO 12947-2, 9kPa load Physical endpoint: 2 threads broken	End point: 20,000 min Col change: Grade 4 min

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Table 4: Colour fastness tests		
Parameter	Test method	Requirement
Washing	BS EN ISO 105-C06, D1S (70°C)	Colour change: 3-4 min Staining on cotton and nylon: 3-4 min

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HM Prison &
Probation Service

DATA SHEET Polyester Cotton – Rib Fleece

Table 1: Description	
MOJ Product #	T35600615 T35600685
Construction	2x2 Rib
Finish	Visual match to Fleece, heat-set 160°C
Colour	Pantone. T35600615 – 17-1501 TC – Grey Marl T35600685 – 19-4150 TC – Royal blue
Product used to manufacture	Sweatshirt ribs

Table 2: Construction		
Parameter	Test method	Requirement
Fibre composition	BS EN ISO 1833	65% Polyester 35% Cotton 1% spandex
Knit construction	BS 5441	Knitted rib
Yarn	BS ISO 7211-5	21 x 21
Threads per inch	BS EN 5441	Wales 26s Courses 45s
Weight	BS EN 12127	400 g/m ²
Width	BS EN 1773 or BS ISO 22198	105cm useable
Roll length	NA	40m +/-2m
Skew	BS EN ISO 13015	3% max at any point across width

Table 3: Physical tests		
Parameter	Test method	Requirement
Abrasion	BS EN ISO 12947-2, 9kPa load Physical endpoint: 2 threads broken	End point: 20,000 min Col change: Grade 4 min
Bursting Strength	BS EN ISO 13938-1	790kpa

Table 4: Colour fastness tests		
Parameter	Test method	Requirement
Light	BS EN ISO 105-B02	3-4 min
Washing	BS EN ISO 105-C06, D1S (70°C)	Colour change: 4 min Staining on cotton and nylon: 3-4 min
Water	BS EN ISO 105-E01	Colour change: 4 min Staining on cotton and nylon: 4 min

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Rubbing	BS EN ISO 105-X12	Dry 4min Wet 3-4 min
Bleaching (Hypochlorite)	BS EN ISO 15-N01	Colour change 4-5 min
Bleaching (Peroxide)	BS EN ISO 15-N02	Colour change 4-5 min

Additional Information

All fabric must be able to withstand a 70° wash for 2 minutes and tumble dried.

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HM Prison &
Probation Service

DATA SHEET Polyester Cotton – Rib Interlock

Table 1: Description	
MOJ Product #	T35602706 T35604706
Construction	1 x1 Rib
Finish	Heat-set 160°C
Colour	Pantone. T35602706 – White T35604706 – 17-1501 TC – Grey Marl
Product used to manufacture	T-Shirt neck ribs

Table 2: Construction		
Parameter	Test method	Requirement
Fibre composition	BS EN ISO 1833	65% Polyester 35% Cotton
Knit construction	BS 5441	Knitted rib
Yarn	BS ISO 7211-5	40/1
Threads per inch	BS EN 5441	Wales 30s Courses 32s
Weight	BS EN 12127	185 g/m ² +/- 3%
Width	BS EN 1773 or BS ISO 22198	140cm minimum useable, no minus tolerance
Roll length	NA	40m +/-2m
Skew	BS EN ISO 13015	3% max at any point across width

Table 3: Physical tests		
Parameter	Test method	Requirement
Bursting strength	BS EN ISO 105 E04	>600Kpa
Dimensional stability to washing	BS EN ISO 5077 & BS EN ISO 6330 Wash procedure 7N; Drying procedure: F (tumble dry) Reference Detergent#6 No of cycle: 5	±3% (length and width)
Piling	BS EN ISO 12945-1 Tested after wash BS EN ISO 6330: 7N, tumble dry 36,000 revs/10 hours	Grade 3 min
Abrasion	BS EN ISO 12947-2, 9kPa load Physical endpoint: 2 threads broken	End point: 20,000 min Col change: Grade 4 min
Snagging	BS 8479	
Spirality	BS ISO 16322-1	0%

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Table 4: Colour fastness tests		
Parameter	Test method	Requirement
Washing	BS EN ISO 105-C06, D1S (70°C)	Colour change: 4-5 min Staining on cotton and nylon: 4-5 min
Water	BS EN ISO 105-E01	Colour change: 4 min Staining on cotton and nylon: 3-4 min
Perspiration acid & alkali	BS EN ISO 105 E04	4-5 min

Additional information

All fabric must be able to withstand a 70° industrial wash for 2 minutes and tumble dried.

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HM Prison & Probation Service

DATA SHEET Single Jersey

Table 1: Description	
MOJ Product #	T35600800
Construction	Jersey
Finish	Heatset 160°
Colour	Pantone shade: 18-4006 - Grey
Product used to manufacture	Boxer Shorts

Table 2: Construction		
Parameter	Test method	Requirement
Fibre composition	BS EN ISO 1833	51% Polyester 45% Cotton 4% Elastane
Knit construction	ISO 7211-1/ BS 2861	Knitted
Yarn	BS ISO 7211-5	Face 1/30 Ne + 70D Elastane
Threads per inch	BS EN 1049-2	Wales 32/inch Course 34/inch
Weight	BS EN 12127	180gsm +/- 3%
Width	BS EN 1773 or BS ISO 22198	183cm minimum useable no minus tolerance
Roll length	NA	50m +/-2m
Skew	BS EN ISO 13015	3% max at any point across width

Table 3: Physical tests		
Parameter	Test method	Requirement
Dimensional stability to washing	BS EN ISO 5077 & BS EN ISO 6330 Wash procedure 7N; Drying procedure: F (Tumble dry) Reference Detergent #6 No of cycles: 5	±5% (length and width)
Pilling	BS EN ISO 12945-1 Tested after w wash BS EN ISO 6330: 7N, tumble dry. 36,000 revs/10 hours	Grade 3-4 min
Snagging	BS 8479	4 min
Abrasion	BS EN ISO 12947-2, 9kPa load Physical endpoint: 2 threads broken	End point: 20,000 min Col change: Grade 4 min
Spirality	BS ISO 16322-1	0%
Bursting strength	BS EN ISO 13938-2:2019	>600 kpa

Table 4: Colour fastness tests		
Parameter	Test method	Requirement
Washing	BS EN ISO 105-C06, D1S (70°C)	Colour change: 4-5 min

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		Staining on cotton and nylon: 4-5 min
Water	BS EN ISO 105-E01	Colour change: 4-5 min Staining on cotton and nylon: 4-5 min
Colourfast to perspiration acid & alkali	BS EN ISO 105-E04	4-5 min

Additional information

Fabric must be able to withstand a 70° wash and tumble dry

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HM Prison &
Probation Service

DATA SHEET Polyester Cotton Fleece

Table 1: Description	
MOJ Product #	T35600610 T35600680 T35600690
Construction	Face ring spun, pile open end
Finish	Heat-set 160°C
Colour	Pantone. T35600610 – 17-1501TC – Grey Marl T35600680 – 19-4150TC – Royal Blue T35600690 – 13-0859 TC – Yellow
Product used to manufacture	Sweatshirts and jogging bottoms

Table 2: Construction		
Parameter	Test method	Requirement
Fibre composition	BS EN ISO 1833	65% Polyester 35% Cotton
Knit construction	ISO 7211-1 / BS 2861	Knitted
Yarn	BS ISO 7211-5	Face 1/30 ne/Tie 79Dtex. Inlay 1/16
Threads per inch	BS EN 1049-2	Wales 35/inch Course 34/inch
Weight	BS EN 12127	280 g/m ² +/- 3%
Width	BS EN 1773 or BS ISO 22198	185cm minimum useable, no minus tolerance
Roll length	NA	30m +/-2m
Skew	BS EN ISO 13015	3% max at any point across width

Table 3: Physical tests		
Parameter	Test method	Requirement
Dimensional stability to washing	BS EN ISO 5077 & BS EN ISO 6330 Wash procedure 7N; Drying procedure: F (Tumble dry) Reference Detergent #3 No of cycles: 5	±4% (length and width)
Pilling	BS EN ISO 12945-1 Tested after w wash BS EN ISO 6330: 7N, tumble dry. 36,000 revs/10 hours	Grade 3-4 min
Abrasion	BS EN ISO 12947-2, 9kPa load Physical end point: 2 threads broken	End point: 26,000 min Col change: Grade 4 min

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Table 4: Colour fastness tests		
Parameter	Test method	Requirement
Washing	BS EN ISO 105-C06, D1S (70°C)	Colour change: 4-5 min Staining on cotton and nylon: 3-4 min
Water	BS EN ISO 105-E01	Colour change: 4 min Staining on cotton and nylon: 4 min
Rubbing	BS EN ISO 105-X12	Dry 4 min Wet 4 min
Colourfast to perspiration acid & alkali	BS EN ISO 105-E04	4-5 min

Additional information

All fabric must be able to withstand a 70° industrial wash for 2 minutes and tumble dried.

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**HM Prison &
Probation Service**

**DATA SHEET
95% Viscose 5% Elastane**

Table 1: Description	
MOJ Product #	T35600900
Construction	95% Viscose 55 Elastane
Finish	heat-set 160°C
Colour	Pantone. Charcoal 19-0201
Product used to manufacture	Sweatshirt ribs

Table 2: Construction		
Parameter	Test method	Requirement
Fibre composition	BS EN ISO 1833	95% Viscose 55 Elastane
Knit construction	BS 5441	
Yarn	BS ISO 7211-5	32/s 40D
Threads per inch	BS EN 5441	Wales s +/-3% Courses s +/-2%
Weight	BS EN 12127	225 g/m ² +/-5%
Width	BS EN 1773 or BS ISO 22198	180cm useable – no minus tolerance
Roll length	NA	55m +/-2m
Skew	BS EN ISO 13015	3% max at any point across width

Table 3: Physical tests		
Parameter	Test method	Requirement
Bursting strength	BS EN ISO 105 E04	>600Kpa
Dimensional stability to washing	BS EN ISO 5077 & BS EN ISO 6330 Wash procedure 7N; Drying procedure: F (tumble dry) Reference Detergent#6 No of cycle: 5	±5% (length and width)
Piling	BS EN ISO 12945-1 Tested after wash BS EN ISO 6330: 7N, tumble dry 36,000 revs/10 hours	Grade 3-4 min
Abrasion	BS EN ISO 12947-2, 9kPa load Physical endpoint: 2 threads broken	End point: 20,000 min Col change: Grade 4 min
Spirality	BS ISO 16322-1	0%

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Table 4: Colour fastness tests		
Parameter	Test method	Requirement
Washing	BS EN ISO 105-C06, D1S (70°C)	Colour change: 4 min Staining on cotton and nylon: 4 min
Water	BS EN ISO 105-E01	Colour change: 4 min Staining on cotton and nylon: 4 min
Rubbing	BS EN ISO 105-X12	Dry 4min Wet 4 min
Bleaching (Hypochlorite)	BS EN ISO 15-N01	Colour change 4 min
Bleaching (Peroxide)	BS EN ISO 15-N02	Colour change 4 min

Additional Information

All fabric must be able to withstand a 70° wash for 2 minutes and tumble dried.

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