

Intertek Standard of High-Performance Mark for General Activewear / Athleisure Wear (International Market) - Durable (Garment)

Durable (Garment) (1)

Durable (darillelit) (1)				GARMENT - TOPS		
PRODUCT TYPE	TEST METHOD	T SHIRT (KNITTED)	SHIRTS AND BLOUSES (WOVEN)	SHIRTS AND BLOUSES (KNITTED)	SWEATERS AND MIDLAYERS	JACKETS AND COATS (WOVEN)
No of Mark of A Development	PHYSICAL			es unless specified in the test item)	20	15 (50)
No of Washes / Drycleaning		60	60	60	30	15 / 60 (waterproof jackets)
Assessments after Washes / Drycleaning		1, 5 15, 30 and 60	1, 5 15, 30 and 60	1, 5, 15, 30 and 60	1, 5, 15 and 30	1, 5, 15, 30 and 60 (waterproof jackets)
Appearance After Wash / Drycleaning *	Visual Exam (Comprehensive) ISO 15487 ISO 6330 (washing) or ISO 3175 (dryclean) and Intertek Assessment Table	ISO Pilling grade replica: 23 No component failure (e.g. buttons or zippers) ISO Grey scale Colour change Grade: 24 No broken seams Intertek Assessment Table	ISO Pilling grade replica : 23 No component failure (e.g. buttons or zippers) ISO Grey scale Colour change Grade : 24 No broken seams Intertek Assessment Table	ISO Pilling grade replica : ≥3 No component failure (e.g. buttons or zippers) ISO Grey scale Colour change Grade : ≥4 No broken seams Intertek Assessment Table	ISO Pilling grade replica : ≥3 No component failure (e.g. buttons or zippers) ISO Grey scale Colour change Grade : ≥4 No broken seams Intertek Assessment Table	No coating degradation or delamination of any membranes ISO Pilling grade replica: ≥ 3-4 No component failure (e.g. buttons or zippers) ISO Greyscale Colour change Grade: 4 No broken seams Intertek Assessment Table
Dimensional Stability to Washing / Drycleaning *	ISO 6330 (washing) or ISO 3175 (dryclean) and ISO 5077	+/- 5%	+/- 3%	+/- 5%	+/- 5%	+/- 3%
Spirality *	ISO 16322-3 Procedure B	≤5%	≤5%	≤5%	≤ 5%	≤5%
Tensile strength	ISO 13934-1		<150 gsm: Warp ≥ 310N, Weft ≥200N 151 - 200gsm: Warp ≥380N, Weft≥220N ≥01 -300 gsm: Warp ≥440N, Weft ≥270N 301 - 400gsm: Warp ≥490N, Weft 310N >400gsm: Warp ≥ 580N, Weft 380N			<150 gsm: Warp ≥ 310N, Weft ≥200N 151 - 200gsm: Warp ≥380N, Weft≥ 220N 201 -300 gsm: Warp ≥440N, Weft ≥270N 301 - 400gsm: Warp ≥490N, Weft 310N >400gsm: Warp ≥ 580N, Weft 380N
Tear Strength	EN ISO 13937-1		<70gsm: ≥ 10N 70 - 120 gsm: ≥ 12N 121 - 200 gsm:≥14N >200gsm: ≥ 18N			< 70 gsm: ≥ 10N 70-120 gsm: ≥ 12N 121-200 gsm: ≥14N > 200 gsm: ≥18N
Seam Strength	ISO 13935 –2 (modified)		12 Kg			12Kg
Seam Slippage	ISO 13936 - 2 (modified)		<220gsm:≤2mm@60N ≥220gsm:≤2mm@120N			< 220 gsm: ≤ 2mm @ 60N ≥ 220 gsm: ≤ 2mm @ 120N
Bursting Strength	ISO 13938-2 or ASTM D3786	≤ 180gsm : ≥ 310 kPa >180gsm : ≥ 400 kPa		≤ 180gsm : ≥ 310 kPa >180gsm : ≥ 400 kPa	≤ 180gsm : ≥ 310 kPa >180gsm : ≥ 400 kPa	





Pilling	ISO 12945-1 (Pilling box method) with assessment by ISO Pilling Grade replicas	After 1 wash & 15 washes Smooth surface : ≥ Grade 3-4 Products with raised Surface : ≥ Grade 3 10,800 cycles (180 min)	After 1 wash & 15 washes Smooth surface: ≥Grade 3-4 Products with raised Surface: ≥ Grade 3 10,800 cycles (180 min)	After 1 wash & 15 washes Smooth surface : 2Grade 3-4 Products with raised surface 2 Grade 3 10,800 cycles (180 min)	After 1 wash & 15 washes Smooth surface : ≥Grade 3-4 Products with raised Surface : ≥ Grade 3 10,800 cycles (180 min)	After 1 wash & 15 washes Smooth surface : ≥Grade 3-4 Products with raised Surface : ≥ Grade 3 10,800 cycles (180 min)
Martindale Abrasion Resistance	ISO 12947-2					≤ 245 gsm: No rupture after 12,500 cycles 245-339 gsm: No rupture after 25,000 cycles > 339 gsm: No rupture after 35,000 cycles
	EN 14704-1	After 1 wash - Extension 10 % after 30 mins	After 1 wash - Extension 5 % after 30 mins	After 1 wash - Extension 5 % after 30 mins	After 1 wash - Extension 10 % after 30 mins	After 1 wash - Extension 5 % after 30 mins
Stretch and Recovery	Method A	After 15 washes - 15% after 30 mins	After 15 washes - 10% after 30 mins	After 15 washes - 10% after 30 mins	After 15 washes - 15% after 30 mins	After 15 washes - 10% after 30 mins
Density/Weight	EN 12127 / ISO 3801	As received - Report only for bursting strength testing	As received - Report only for seam slippage, tear and tensile strength testing	As received - Report only for bursting strength testing	As received - Report only for bursting strength testing	As received - Report only for seam slippage, tear and tensile strength testing
Product waterproofness (if claimed) *	ISO 811					≥ 2600 mmH ₂ 0 Includes assessment of seams (no leaking at any seam, curve, or cross point)
Fabric water repellence (if claimed) *	ISO 4920					≥ 3-4
	COLOUR PERFORMANCE (to be tested in the as received state)					
Colour Fastness to Washing	ISO 105 -C06	Change: 4 Stain: 4 Cross Stain: 4-5	Change: 4 Stain: 4 Cross Stain: 4-5	Change: 4 Stain: 3-4 Cross Stain: 4-5	Change: 4 Stain: 4 Cross Stain: 4-5	Change: 4 Stain: 4 Cross Stain: 4-5
Colour Fastness to Water	ISO 105 -E01	Change: 4 Stain: 4 Cross Stain: 4-5	Change: 4 Stain: 4 Cross Stain: 4-5	Change: 4 Stain: 3-4 Cross Stain: 4-5	Change: 4 Stain: 4 Cross Stain: 4-5	Change: 4 Stain: 4 Cross Stain: 4-5
Colour Fastness to Perspiration	ISO 105 -E04 or AATCC 15	Change: 4 Stain: 4 Cross Stain: 4-5	Change: 4 Stain: 4 Cross Stain: 4-5	Change: 4 Stain: 3-4 Cross Stain: 4-5	Change: 4 Stain: 4 Cross Stain: 4-5	Change: 4 Stain: 4 Cross Stain: 4-5
Colour Fastness to Crocking	ISO 105 -X12 or AATCC 8	Stain Dry: 4 Wet: 4	Stain Dry: 4 Wet : 4	Stain Dry: 4 Wet: 4	Stain Dry: 3-4 Wet: 4	Stain Dry: 4 Wet: 4
Colour Fastness to Light	ISO 105 -B02 or AATCC 16.3, Op3	Blue Reference : ≥Grade 4 144 hours of light exposure	Blue Reference : ≥Grade 4 144 hours of light exposure	Blue Reference : ≥Grade 4 144 hours of light exposure	Blue Reference : ≥Grade 4 144 hours of light exposure	Blue Reference : ≥Grade 4 144 hours of light exposure

^{*}Test items according to Product Environmental Footprint (PEF), Duration of service "Aspirational" level requirements



barable (darment) (E)		GARMENT - TOPS		GARMENT - BOTTOMS	
PRODUCT TYPE	TEST METHOD	JACKETS AND COATS (KNITTED)	PANTS AND SHORTS (KNITTED)	PANTS AND SHORTS (WOVEN)	DRESSES, SKIRTS AND JUMPSUITS (KNITTED)
	PHYSICAL PERFOR		oed number of washes unless specific	ed in the test item)	
No of Washes / Drycleaning		15 / 60 (waterproof jackets)	60	60	60
Assessments after Washes / Drycleaning		1, 5 and 15 / 1, 5, 15, 30 and 60 (waterproof jackets)	1,5 15, 30 and 60	1, 5 15, 30 and 60	1,5 15, 30 and 60
Appearance After Wash / Drycleaning *	Visual Exam (Comprehensive) ISO 15487 ISO 6330 (washing) or ISO 3175 (dryclean) and Intertek Assessment Table	or zippers)	No coating degradation or delamination of any membranes ISO Pilling grade replica : ≥ 3-4 No component failure (e.g. buttons or zippers) ISO Greyscale Colour change Grade : ≥ 4 No broken seams Intertek Assessment Table	or zippers)	ISO Greyscale Colour change Grade :
Dimensional Stability to Washing / Drycleaning *	ISO 6330 (washing) or ISO 3175 (dryclean) and ISO 5077	+/- 5%	+/- 5%	+/-3%	+/- 5%
Spirality *	ISO 16322-3 Procedure B	≤5%	≤5%	≤ 5%	≤5%
Tensile strength	ISO 13934-1			<150 gsm: Warp ≥ 310N, Weft ≥200N 151 - 200gsm: Warp ≥380N, Weft≥ 220N 201 -300 gsm: Warp ≥440N, Weft ≥270N 301 - 400gsm: Warp ≥490N, Weft 310N >400gsm: Warp ≥ 580N, Weft 380N	
Tear Strength	EN ISO 13937-1			< 70 gsm: ≥ 10N 70-120 gsm: ≥ 12N 121-200 gsm: ≥14N > 200 gsm: ≥ 18N	
Seam Strength	ISO 13935 -2 (modified)			12Kg	
Seam Slippage	ISO 13936 – 2 (modified)			< 220 gsm: ≤ 2mm @ 60N ≥ 220 gsm: ≤ 2mm @ 120N	
Bursting Strength	ISO 13938-2 or ASTM D3786	≤ 180gsm : ≥ 310 kPa >180gsm : ≥ 400 kPa	≤ 180gsm : ≥ 310 kPa >180gsm : ≥ 400 kPa		≤ 180gsm : ≥ 310 kPa >180gsm : ≥ 400 kPa
Pilling		After 1 & 15 washes Smooth surface : ≥Grade	After 1 & 15 washes Smooth surface : ≥Grade	After 1 & 15 washes Smooth surface : ≥Grade	After 1 & 15 washes Smooth surface ≥Grade



				1	
		3-4	3-4	3-4	3-4
	ISO 12945-1 (Pilling box	Products with raised	Products with raised	Products with raised	Products with raised
	method) with assessment by	Surface : ≥Grade 3	Surface : ≥ 3	Surface : ≥ 3	Surface : ≥ 3
	ISO Pilling Grade replicas	10,800 cycles (180 min)			
				≤ 245 gsm: No rupture	
				after 12,500 cycles	
Martindale Abrasion Resistance	ISO 12947-2			245-339 gsm: No rupture	
				after 25,000 cycles	
				> 339 gsm: No rupture after 35,000	
		A £ + 1 -	A f + 1 -	cycles	A f + 1 b
	CN 1 470 4 1	After 1 wash - Extension 10 % after 30 mins	After 1 wash - Extension 10 % after 30 mins	After 1 wash - Extension 10 % after 30 mins	After 1 wash - Extension 10 % after 30 mins
Stretch and Recovery	EN 14704-1				
	Method A	After 15 washes - 15% after 30 mins			
Density/Weight	EN 12127 / ISO 3801	Report only for bursting strength	Report only for bursting strength	Report only for seam slippage, tear	Report only for bursting strength
, ,		testing	testing	and tensile strength testing	testing
		≥ 2600 mmH ₂ 0	≥ 2600 mmH ₂ 0	≥ 2600 mmH ₂ 0	
Product waterproofness	ISO 811	Includes assessment of seams (no	Includes assessment of seams (no	Includes assessment of seams (no	
(if claimed) *		leaking at any seam, curve, or cross	leaking at any seam, curve, or cross	leaking at any seam, curve, or cross	
511 . "		point)	point)	point)	
Fabric water repellence	ISO 4920	≥ 3-4	≥ 3-4	≥ 3-4	
(if claimed) *		COLOUR REPEARMANCE (;)			
			tested in the as received state)		<u></u>
Colour Control to Monting	150 105 505	Change: 4	Change: 4	Change: 4	Change: 4
Colour Fastness to Washing	ISO 105 -C06	Stain: 4	Stain: 4	Stain: 4	Stain: 4
		Cross Stain: 4-5 Change: 4			
Colour Fastness to Water	ISO 105 -E01	Stain: 4	Stain: 4	Stain: 4	Stain: 4
Colodi i astriess to water	130 103 -601	Cross Stain: 4-5	Cross Stain: 4-5	Cross Stain: 4-5	Cross Stain: 4-5
		Change: 4	Change: 4	Change: 4	Change: 4
Colour Fastness to Perspiration	ISO 105 -F04 or AATCC 15	Stain: 4	Stain: 4	Stain: 4	Stain: 4
colodi i datilesa to i erapii dilori	130 103 20 1017 (1100 13	Cross Stain: 4-5	Cross Stain: 4-5	Cross Stain: 4-5	Cross Stain: 4-5
		Stain	Stain	Stain	Stain
Colour Fastness to Crocking	ISO 105 -X12 or AATCC 8	Dry: 4	Dry: 4	Dry: 4	Dry: 4
		Wet: 4	Wet: 4	Wet: 4	Wet: 4
Colour Cooks to 1!-bt	ISO 105 -B02 or AATCC 16.3,	Blue Reference : ≥Grade 4			
Colour Fastness to Light	Ор3	144 hours of light exposure			

^{*}Test items according to Product Environmental Footprint (PEF), Duration of service "Aspirational" level requirements



		GARMENT – BOTTOMS				
PRODUCT TYPE	TEST METHOD	DRESSES, SKIRTS AND JUMPSUITS (WOVEN)	LEGGINGS, STOCKINGS, TIGHTS AND SOCKS (KNITTED)	LEGGINGS, STOCKINGS, TIGHTS AND SOCKS (WOVEN)	UNDERWEAR (KNITTED)	UNDERWEAR (WOVEN)
	PHYSICAL PERI			shes unless specified in the test		
No of Washes / Drycleaning		60	30	30	30	30
Assessments after Washes / Drycleaning		1, 5 15, 30 and 60	1, 5, 15 and 30	1, 5, 15 and 30	1, 5, 15 and 30	1, 5, 15 and 30
Appearance After Wash / Drycleaning *	Visual Exam (Comprehensive) ISO 15487 ISO 6330 (washing) or ISO 3175 (dryclean) and Intertek Assessment Table	ISO Pilling grade replica : ≥ 3-4 No component failure (e.g. buttons or zippers) ISO Greyscale Colour change Grade : ≥ 4 No broken seams Intertek Assessment Table	Grade : ≥ 4 No broken seams	ISO Pilling grade replica: ≥ 3-4 No component failure (e.g. buttons or zippers) ISO Greyscale Colour change Grade: ≥ 4 No broken seams Intertek Assessment Table	ISO Pilling grade replica : ≥ 3-4 No component failure (e.g. buttons or zippers) ISO Greyscale Colour change Grade : ≥ 4 No broken seams Intertek Assessment Table	ISO Pilling grade replica: ≥ 3-4 No component failure (e.g. buttons or zippers) ISO Greyscale Colour change Grade: ≥ 4 No broken seams Intertek Assessment Table
Dimensional Stability to Washing / Drycleaning *	ISO 6330 (washing) or ISO 3175 (dryclean) and ISO 5077	+/- 3%	+/- 5%	+/- 3%	+/- 5%	+/- 3%
Spirality *	ISO 16322-3 Procedure B	≤5%	≤5%	≤ 5%	≤ 5%	≤5%
Tensile strength	ISO 13934-1	<150 gsm: Warp ≥ 310N, Weft ≥200N 151 - 200gsm: Warp ≥380N, Weft≥ 220N 201 -300 gsm: Warp ≥440N, Weft ≥270N 301 - 400gsm: Warp ≥490N, Weft 310N >400gsm: Warp ≥ 580N, Weft 380N		<150 gsm: Warp ≥ 310N, Weft ≥200N 151 - 200gsm: Warp ≥380N, Weft≥ 220N 201 -300 gsm: Warp ≥440N, Weft ≥270N 301 - 400gsm: Warp ≥490N, Weft 310N >400gsm: Warp ≥ 580N, Weft 380N		<150 gsm: Warp ≥ 310N, Weft ≥200N 151 - 200gsm: Warp ≥380N, Weft≥ 220N 201 -300 gsm: Warp ≥440N, Weft ≥270N 301 - 400gsm: Warp ≥490N, Weft 310N >400gsm: Warp ≥ 580N, Weft 380N
Tear Strength	EN ISO 13937-1	< 70 gsm: ≥ 10N 70-120 gsm: ≥ 12N 121-200 gsm: ≥14N > 200 gsm: ≥18N		< 70 gsm: ≥ 10N 70-120 gsm: ≥ 12N 121-200 gsm: ≥14N > 200 gsm: ≥18N		< 70 gsm: ≥ 10N 70-120 gsm: ≥ 12N 121-200 gsm: ≥14N > 200 gsm: ≥18N
Seam Strength	ISO 13935 -2 (modified)	12Kg		12Kg		12Kg
Seam Slippage	ISO 13936 – 2 (modified)	< 220 gsm: ≤ 2mm @ 60N ≥ 220 gsm: ≤ 2mm @ 120N		< 220 gsm: ≤ 2mm @ 60N ≥ 220 gsm: ≤ 2mm @ 120N		< 220 gsm: ≤ 2mm @ 60N ≥ 220 gsm: ≤ 2mm @ 120N
Bursting Strength	ISO 13938-2 or ASTM D3786		≤ 180gsm; ≥ 310 kPa >180gsm; ≥ 400 kPa		≤ 180gsm : ≥ 310 kPa >180gsm : ≥ 400 kPa	



Pilling	ISO 12945-1 (Pilling box method) with assessment by ISO Pilling Grade replicas	After 1 & 15 washes Smooth surface : ≥Grade 3-4 Products with raised surface: ≥Grade 3 10,800 cycles (180 min)	After 1 & 15 washes Smooth surface : ≥Grade 3-4 Products with raised Surface : ≥Grade 3 10,800 cycles (180 min)	After 1 & 15 washes Smooth surface : ≥Grade 3-4 Products with raised Surface : ≥Grade 3 10,800 cycles (180 min)	After 1 & 15 washes Smooth surface : ≥Grade 3-4 Products with raised Surface : ≥Grade 3 10,800 cycles (180 min)	After 1 & 15 washes Smooth surface : ≥Grade 3-4 Products with raised Surface : ≥Grade 3 10,800 cycles (180 min)
Martindale Abrasion Resistance	ISO 12947-2	≤ 245 gsm: No rupture after 12,500 cycles 245-339 gsm: No rupture after 25,000 cycles		≤ 245 gsm: No rupture after 12,500 cycles 245-339 gsm: No rupture after 25,000 cycles		≤ 245 gsm: No rupture after 12,500 cycles 245-339 gsm: No rupture after 25,000 cycles
		> 339 gsm: No rupture after 35,000 cycles		> 339 gsm: No rupture after 35,000 cycles		> 339 gsm: No rupture after 35,000 cycles
Stretch and Recovery	EN 14704-1 Method A	After 1 wash - Extension 10 % after 30 mins	After 1 wash - Extension 10 % after 30 mins	After 1 wash - Extension 10 % after 30 mins	After 1 wash - Extension 10 % after 30 mins	After 1 wash - Extension 10 % after 30 mins
	riethod A	After 15 washes - 15% after 30 mins	After 15 washes - 15% after 30 mins	After 15 washes - 15% after 30 mins	After 15 washes - 15% after 30 mins	After 15 washes - 15% after 30 mins
Density/Weight	EN 12127 / ISO 3801	Report only for seam slippage, tear and tensile strength testing	Report only for bursting strength testing	Report only for seam slippage, tear and tensile strength testing	Report only for bursting strength testing	Report only for seam slippage, tear and tensile strength testing
Product waterproofness (if claimed) *	ISO 811					
Fabric water repellence (if claimed) *	ISO 4920					
		COLOUR PERFORMA	NCE (to be tested in the as	received state)		
Colour Fastness to Washing	ISO 105 -C06	Change: 4 Stain: 4 Cross Stain: 4-5	Change: 4 Stain: 4 Cross Stain: 4-5	Change: 4 Stain: 4 Cross Stain: 4-5	Change: 4 Stain: 4 Cross Stain: 4-5	Change: 4 Stain: 4 Cross Stain: 4-5
Colour Fastness to Water	ISO 105 -E01	Change: 4 Stain: 4 Cross Stain: 4-5	Change: 4 Stain: 4 Cross Stain: 4-5	Change: 4 Stain: 4 Cross Stain: 4-5	Change: 4 Stain: 4 Cross Stain: 4-5	Change: 4 Stain: 4 Cross Stain: 4-5
Colour Fastness to Perspiration	ISO 105 -E04 or AATCC 15	Change: 4 Stain: 4 Cross Stain: 4-5	Change: 4 Stain: 4 Cross Stain: 4-5	Change: 4 Stain: 4 Cross Stain: 4-5	Change: 4 Stain: 4 Cross Stain: 4-5	Change: 4 Stain: 4 Cross Stain: 4-5
Colour Fastness to Crocking	ISO 105 -X12 or AATCC 8	Stain Dry: 4 Wet: 4	Stain Dry: 4 Wet: 4	Stain Dry: 4 Wet: 4	Stain Dry: 4 Wet: 4	Stain Dry: 4 Wet: 4
Colour Fastness to Light	ISO 105 -B02 or AATCC 16.3, Op3		Blue Reference : ≥Grade 4 144 hours of light exposure	Blue Reference : ≥Grade 4 144 hours of light exposure		

^{*}Test items according to Product Environmental Footprint (PEF), Duration of service "Aspirational" level requirements



		GARMENT	- SWIMWEAR	APPAREL A	CCESSORIES
PRODUCT TYPE	TEST METHOD	SWIMWEAR (KNITTED)	SWIMWEAR (WOVEN)	APPAREL ACCESSORIES (KNITTED)	APPAREL ACCESSORIES (WOVEN)
	PHYSICAL PERF	ORMANCE (to be tested after pres	scribed number of washes unless spec	cified in the test item)	
No of Washes / Drycleaning		30	30	60	60
Assessments after Washes / Drycleaning		1, 5, 15 and 30	1, 5, 15 and 30	1, 5 15, 30 and 60	1, 5 15, 30 and 60
Appearance After Wash / Drycleaning *	ISO 15487 ISO 6330 (washing) or ISO 3175 (dryclean) and Intertek Assessment Table	ISO Pilling grade replica: ≥3-4 No component failure (e.g. buttons or zippers) ISO Greyscale Colour change Grade:≥4 No broken seams Intertek Assessment Table	zippers) ISO Greyscale Colour change Grade : ≥	of any membranes No component failure (e.g. buttons or zippers)	ISO Pilling grade replica: ≥ 3-4 No coating degradation or delamination of any membranes No component failure (e.g. buttons or zippers) ISO Greyscale Colour change Grade: ≥ 4 No broken seams Intertek Assessment Table
Dimensional Stability to Washing / Drycleaning *	ISO 6330 (washing) or ISO 3175 (dryclean) and ISO 5077	+/- 5%	+/- 3%	+/- 5%	+/- 3%
Spirality *	ISO 16322-3 Procedure B	≤5%	≤ 5%	≤ 5%	≤ 5%
Tensile strength	ISO 13934-1		<150 gsm: Warp ≥ 310N, Weft ≥200N 151 - 200gsm: Warp ≥380N, Weft≥ 220N 201 -300 gsm: Warp ≥440N, Weft ≥270N 301 - 400gsm: Warp ≥490N, Weft 310N >400gsm: Warp ≥ 580N, Weft 380N		<150 gsm: Warp ≥ 310N, Weft ≥200N 151 - 200gsm: Warp ≥380N, Weft≥ 220N 201 -300 gsm: Warp ≥440N, Weft ≥270N 301 - 400gsm: Warp ≥490N, Weft 310N >400gsm: Warp ≥ 580N, Weft 380N
Tear Strength	EN ISO 13937-1		< 70 gsm: ≥ 10N 70-120 gsm: ≥ 12N 121-200 gsm: ≥14N > 200 gsm: ≥18N		< 70 gsm: ≥ 10N 70-120 gsm: ≥ 12N 121-200 gsm: ≥14N > 200 gsm: ≥18N
Seam Strength	ISO 13935 -2 (modified)		12Kg		12Kg
Seam Slippage	ISO 13936 – 2 (modified)		< 220 gsm: ≤ 2mm @ 60N ≥ 220 gsm :≤ 2mm @ 120N		< 220 gsm: ≤ 2mm @ 60N ≥ 220 gsm: ≤ 2mm @ 120N
Bursting Strength	ISO 13938-2 or ASTM D3786	≤ 180gsm : ≥ 310 kPa >180gsm : ≥ 400 kPa		≤ 180gsm : ≥ 310 kPa >180gsm : ≥ 400 kPa	
Pilling	ISO 12945-1 (Pilling box method) with assessment by ISO Pilling Grade replicas	After 1 & 15 washes Smooth surface : ≥Grade 3-4 Products with raised surface ≥Grade 3	After 1 & 15 washes Smooth surface : ≥Grade 3-4 Products with raised surface ≥Grade 3	After 1 & 15 washes Smooth surface : ≥Grade 3-4 Products with raised surface ≥ Grade 3	After 1 & 15 washes Smooth surface : ≥Grade 3-4 Products with raised surface ≥ Grade 3



		10,800 cycles (180 min)	10,800 cycles (180 min)	10,800 cycles (180 min)	10,800 cycles (180 min)
Martindale Abrasion Resistance	ISO 12947-2				
	EN 14704-1	After 1 wash - Extension 10 % after 30 mins	After 1 wash - Extension 10 % after 30 mins	After 1 wash - Extension 10 % after 30 mins	After 1 wash - Extension 10 % after 30 mins
Stretch and Recovery	Method A	After 15 washes - 15% after 30 mins	After 15 washes - 15% after 30 mins	After 15 washes - 15% after 30 mins	After 15 washes - 15% after 30 mins
Density/Weight	EN 12127 / ISO 3801	Report only for bursting strength testing	Report only for seam slippage, tear and tensile strength testing	Report only for bursting strength testing	Report only for seam slippage, tear and tensile strength testing
Product waterproofness (if claimed) *	ISO 811			≥ 2600 mmH ₂ 0 Includes assessment of seams (no leaking at any seam, curve, or cross point)	≥ 2600 mmH ₂ 0 Includes assessment of seams (no leaking at any seam, curve, or cross point)
Fabric water repellence (if claimed) *	ISO 4920			≥3-4	≥3-4
		COLOUR PERFORMANCE (to	be tested in the as received state)		
		Change: 4	Change: 4	Change: 4	Change: 4
Colour Fastness to Washing	ISO 105 -C06	Stain: 4 Cross Stain: 4-5	Stain: 4 Cross Stain: 4-5	Stain: 4 Cross Stain: 4-5	Stain: 4 Cross Stain: 4-5
Colour Fastness to Water	ISO 105 -E01	Change: 4 Stain: 4 Cross Stain: 4-5	Change: 4 Stain: 4 Cross Stain: 4-5	Change: 4 Stain: 4 Cross Stain: 4-5	Change: 4 Stain: 4 Cross Stain: 4-5
Colour Fastness to Perspiration	ISO 105 -E04 or AATCC 15	Change: 4 Stain: 4 Cross Stain: 4-5	Change: 4 Stain: 4 Cross Stain: 4-5	Change: 4 Stain: 4 Cross Stain: 4-5	Change: 4 Stain: 4 Cross Stain: 4-5
Colour Fastness to Crocking	ISO 105 -X12 or AATCC 8	Stain Dry: 4 Wet: 4	Stain Dry: 4 Wet: 4	Stain Dry: 4 Wet: 4	Stain Dry: 4 Wet: 4
Colour Fastness to Light	ISO 105 -B02 or AATCC 16.3, Op3	Blue Reference : ≥Grade 4 144 hours of light exposure	Blue Reference : ≥Grade 4 144 hours of light exposure	Blue Reference : ≥Grade 4 144 hours of light exposure	Blue Reference : ≥Grade 4 144 hours of light exposure
Colour Fastness to Chlorinated Water	ISO 105-E03, 50 mg/L	Change: 3-4	Change: 3-4		
Colour Fastness to Salt Water	ISO 105-E02	Change: 4 Stain: 4 Cross Stain: 4-5	Change: 4 Stain: 4 Cross Stain: 4-5		

^{*}Test items according to Product Environmental Footprint (PEF), Duration of service "Aspirational" level requirements



ntentionally added functional property claims according to Product Environmental Footprint (PEF), Duration of service "Aspirational" level

requirements

Performance Claim	Test Standard	As received and after 60 washes (unless specified in the test item)
Smoothness	ISO 5077 & 6330 (washing) or ISO 3175-2 & 3175-1 (dryclean) according to care label	Grade≥3-4 after 15x cleaning cycles
Cold (thermal resistance)	ISO11092 RCT	Change claimed value (K.m²/W): <10%
Water repellency	Bundesmann ISO 9865 OR	Rating below 2.5 not included at 10 min
	ISO 4920	≥ Grade 4 (laundered specimen)
Soil or stain Release	AATCC 130, Washing Procedure selection to match care label	≥ Grade 4 (laundered specimen)
Wrinkle resistance	ISO 9867	≥ Grade 4 (laundered specimen)
Wicking	AATCC 197 (Option B, 30 minutes)	Measure performance "as received" (initial value). After wash, must achieve the HIGHER of 80% of initial value or 150 mm.
Odor management	ISO 20743, Absorption Method	1-log reduction (90% reduction) in bacteria after 24-hour contact time compared to an untreated, unlaundered sample.
Breathability (post- laundering)	*JIS L1099 ** ISO 11092	U-Urban wear, A-Active wear, M-Mountaineering wear Option1*B1&B2:U:≥8000&5000,A:≥12000&8000,M:≥20000&10000. Option 2**, Ret: U: 13-20, A:6-13, M: ≤6
Stretch and recovery	EN 14704-1	≥85% recovery after 30 min - Fabrics containing <5% elastane ≥90% recovery after 30 min - Fabrics containing ≥5% elastane
Others	Relevant ISO standard	Measure performance "as received" (initial value). After wash, must keep 80% of initial value.