⊚: Mandatory tests O: Mandatory tests depending on fabrics and use

In principle, test all colors for colorfastness and formaldehyde testing, and test one color for each style number, design and material for fiber content, physical property, dimensional change and garment testing. (Formaldehyde is excluded.) www.boken.or.jp

	1 /	TEST ITEM		TEST METHOD			, ,				REQUIREMENT				· · · · · · · · · · · · · · · · · · ·	Remarks
		IESI IIEM		TEST METHOD			Men's wear	Won	nen's and Children's wear	W	oven shirts and blouses	Kı	nit shirts and blouses		Sweaters	Remarks
	F	ber Content (Fiber Ident	ification)	JIS L 1030		0		0		0		0		0		Apply to items required by law. Conduct fiber identification when it is suitable. Exclude from judgment of pass or fail.
		Light	min. Grade	JIS L 0842		0	4 (3)	0	4(3)	0	3	0	3	0	3	Value in () applies to pale shades.
		Light	min. Grade	Exposure Method 3		۷	+ (5)	•	+ (5)	•		•		•		Yellowing due to fluorescent brightener is excluded from judgment of pass or fail.
					Change in color		4		4		4		4		4	Apply to washing instructions. Change in color due to fluorescent brightener is
				JIS L 0844		_										excluded from judgment of pass or fail.*
		Washing	min. Grade	No. A-1 or A-2	Staining	0	3 - 4 (3)	0	3 - 4 (3)	0	3 4	0	4	0	3 - 4	Value in () applies to denim. [Reference] Liquid contamination≥ Grade 3
					Bleeding	-	4 - 5	 -	4 - 5	-	4 - 5	1 -	4 - 5	1	4 - 5	Apply to fabrics with assorted colors of deep and pale shades.
	ro				Change in color		4 - 3		4 - 3		4 - 3		4 - 3		4 - 3	
	FASTNESS			JIS L 0848		-	3 - 4 (3)	1 1	3 - 4 (3)	1 1	3 (2 - 3)	1 -	3 (2 - 3)	1	3 - 4 (3)	Value in () applies to fabrics with 50 % or more wool and silk.
	Ĕ	Perspiration	min. Grade	Acid solution and Alkali solution	Staining	0	4	0	4	0	4	 	4	0	4	Apply to fabrics with assorted colors of deep and pale shades.
	FAS				Bleeding	F	4 - 5	1	4 - 5	1	4 - 5	1	4 - 5	1	4 - 5	1-44-7
					D		4 (3 - 4)		4 (3 - 4)		4 (3 - 4)		4 (3 - 4)		4 (3 - 4)	Value in () applies to fabrics with special prints, raising or deep shades.
	COLOR	Rubbing	min. Grade	HC I 0840	Dry		≪3≫		≪3≫		≪3≫		≪3≫		````	Value in ≪ ≫ applies to denim, velveteen and corduroy.
	\ddot{c}	Kubbing	min. Grade	JIS L 0849 Type II	Wet	0	2 - 3 (2)	0	2 - 3 (2)	0	2 - 3 (2)		2 - 3 (2)		2 - 3 (2)	
					WEI		≪1-2≫		≪1-2≫		≪1-2≫		≪1-2≫			
				JIS L 0860	Change in color		4		4		4		4		4	Apply to dry cleaning instructions.
		Dry Cleaning	min. Grade	Method A-1 (Perchloroethylene)	Staining	0	3 - 4	0	3 - 4	0	3 - 4	0	3 - 4	0	3 - 4	[Reference] Liquid contamination:≥ Grade 3
9 Z		, ,		or Method B-1 (Petroleum-base)	D1 1:		4		4		4	↓ ¯ ⊢	4	-	4	Apply to fabrics with assorted colors of deep and pale shades.
TING		DI I		, ,	Bleeding	_	4 - 5		4 - 5	_	4 - 5	_	4 - 5		4 - 5	
S		Bleeding Perspiration and Light	min. Grade	Daimaru Method (Method I) ATTS Method	Staining Change in color	0	4 - 5	0	4 - 5	0	4 - 5	0	4 - 5	0	4 - 5	Apply to fabrics with assorted colors of deep and pale shades. Apply to sportswear and caps/hats with 50% or more cellulosic fiber.
T E		Tensile Strength	min. Grade min. N	JIS L 1096 Method A (Strip Method)	Change in color		250 (200)		200 (150)	U	200 (150)	U	3	\vdash	3	Apply to woven fabrics. Value in () applies to thin fabrics.
7)		Tear Strength	min. N	JIS L 1096 Method D (Pendulum Method)		0	13 (10)	0	10 (7)	0	· /					Apply to woven fabrics. Value in () applies to thin fabrics. Apply to woven fabrics. Value in () applies to thin fabrics.
RIC		Bursting Strength	min. kPa	JIS L 1096 Method A (Mullen Type Method)		0	500 (400)	0	500 (350)		10 (7)	0	500 (350)	0	500 (350)	Apply to woven faories. Value in () applies to thin faories. Apply to knit fabrics. Value in () applies to thin fabrics.
B		Slippage Resistance	max. mm	JIS L 1096 Method B (Seam Slipping Method)		0	3	0	3	0	3		300 (330)		300 (330)	Apply to woven fabrics. Load applied: Thick fabrics117.7N, Thin fabrics49.0N
F A	Ţ	Pilling	min. Grade	JIS L 1076 Method A (ICI Type Method)			3		3		3		3		3 (2.5)	Woven fabrics: 10 hours, Knit fabrics: 5 hours Value in () applies to raised and woolen fabrics.
_	Ë	Snag	min. Grade	JIS L 1058 Method D-1 (Damage Bar Method)			3		3		3		3		3	Apply to continuous filament yarn and textured yarn.
	PROPERTY	Pile Retention	min. %	JIS L 1075 Method A (Universal Type Method)		0	60	0	60	0	50					Apply to velveteen and corduroy.
		Water Repellency	min. Grade	JIS L 1092 Spray Method	Original/After wash or dry cleaning	0	2/2	0	2/2							Apply to water repellency disclosures.
	'AL	1 ,	max.	1 7	or dry cleaning		3		3							Apply to feathers.
	PHYSICAL	Air Permeability	cm ³ /cm ² · S	JIS L 1096 Method A (Frazier Type Method)			5		5							Apply to padding such as wool and synthetic fiber.
	НУ	Padding Penetration		Boken Method BQE A 012		0	Yes (Not noticeable.)	0	Yes (Not noticeable.)							Apply to padding such as feathers, wool and synthetic fiber.
	Ь						No (n < 10 cm)		No (n < 10 cm)		No (n < 10 cm)		No (n < 10 cm)		No (n < 10 cm)	Apply to pile and raised Pass
		Surface Flash		JIS L 1917	Flame spread	,	Yes (10cm ≤ n < 20cm)	Ī	Yes (10cm ≤ n < 20cm)	0	Yes (10cm ≤ n < 20cm)	0	Yes (10cm ≤ n < 20cm))	Yes (10cm ≤ n < 20cm)	
							Yes (Take 1 second or more to 20cm)	Yes (Take 1 second or more to 20cm)		Yes (Take 1 second or more to 20cm))	Yes (Take 1 second or more to 20cm)	Yes (Take 1 second or more to 20cm	fiber of 50% or more. Caution needed (Fail) Need warnings.
		Fluff Adherence	min. Grade	Boken Method BQE B 014		0	3	0	3	0	3	0	3	0	3	Apply to fabrics with raising, pile and animal fiber blended.
	CHANGE			JIS L 0217	Woven fabric	0	- 4 to + 2 💥	0	- 4 to + 2 💥	0	- 4 to + 2 💥					Apply to washing instructions.
	ž	Home Laundering		Washing: According to care instructions.*		\circ	- 5 to + 2		- 5 to + 2				- 6 to + 2		- 6 to + 2	*Use Method 103 when no care instructions are proposed.
	Ë	Method	%	Drying: Preference to line dry	fabric Course		- 5 to + 2 💥		- 5 to + 2 💥				- 7 to + 2 💥		- 7 to + 2 💥	*Fabrics with recuperative strength in a transverse direction (rib stitch, crepe, etc.) are
				For sweaters, according to care Flat dry	Knit Wale			ļ ļ				1		0	- 7 to + 2	excluded from judgment of pass or fail. However, if the appearance change is
	NA			instructions.	fabric Course							Ш		Ĭ	- 8 to + 2 🔆	noticeable, it shall be judged as fail.
	DIMENSIONAL				Woven fabric	0	± 2**	0	± 2**	0	± 2 ※					Apply to dry cleaning instructions. (Washing instructions may exclude this testing.)
	EN.	Dry Cleaning	%	JIS L 1096 Method J-1 or J-2		Щ								Ш		*Fabrics with recuperative strength in a transverse direction (rib stitch, crepe, etc.) are
	M	Method			Knit fabric	0	± 2 ※	0	± 2 ※			0	± 2 🔆	0	± 2 🔆	excluded from judgment of pass or fail. However, if the appearance change is
	D					_										noticeable, it shall be judged as fail.

[•] White and gray fabrics may exclude the color fastness test unless the fabric has a possibility of color and/or feeling change.

^{* *}When change in color due to fluorescent brightener is grade 3 - 4 or below, warnings such as "Use detergent without fluorescent brightener" shall be included in the care instructions.

^{· &}quot;[Reference]" shall exclude from judgment of pass or fail.

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III piii	ncipic, t	est an colors for color.	lastiicss and	I	color for cach	Style III	umber, design and	ıma	teriai for froci conte		REOUIREMENT	iiiici	isional change and	gari	ment testing. (1 orm	
		TEST ITEM		16.1	T	1 10131 1			17	2.11.	1	G .	Remarks			
							Men's wear		nen's and Children's wear				nit shirts and blouses		Sweaters	
	Ö	Fiber Content		Household Goods Quality Labeling Ac											Must be appropriate.	
	Ę	Care Instructions		Household Goods Quality Labeling Ac	t										Must be appropriate.	
	3EI	Size		JIS, etc.		(iii) M	fust be appropriate.	0	Must be appropriate.	(O)	Must be appropriate.	0	Must be appropriate.	0	Must be appropriate.	Exclude from judgment of pass or fail.
	LABELING	Country of Origin		Act against Unjustifiable Premiums and Misleading Representations	3	(iii) M	fust be appropriate.	0	Must be appropriate.	© 1	Must be appropriate.	0	Must be appropriate.	0	Must be appropriate.	
	APPEA- RANCE	Appearance and Sewing		Boken Sewing Performance Standa	rd	0	Must meet requirements.	0	Must meet requirements.	0	Must meet requirements.	0	Must meet requirements.	0	Must meet requirements.	
		Appearance and Sewing				0	No defects.	0	No defects.	0	No defects.	0	No defects.	0	No defects.	Apply to washing instructions.
	ш	Change in Color	min. Grade	JIS L 0217		0	4	0	4	0	4	0	4	0	4	
	ANCE	Bleeding	min. Grade	Washing: According to care instruction	S.	0	4 - 5	0	4 - 5	0	4 - 5	0	4 - 5	0	4 - 5	
	ΤA	Puckering	min. Grade	Drying: Preference to line dry.		0	3	0	3	0	3	0	3	0		
	SIS	Bias Filling after Washing	max. %			0	7 (5)	O		O	7 (5)	O	7 (5)	Ō		Value in () applies to slit, front opening, pattern in a longitudinal direction, etc.
G	G RESIST.	3 3			Woven fabri	c O	- 3 to + 1 **	0	- 3 to + 1 **	0	- 4 to + 1 **		. (0)		, (c)	**Fabrics with recuperative strength in a transverse direction (rib stitch, crepe, etc.) are excluded from judgment of pass or fail. However, if it has an effect on
Z	WASHING			Line	dry Knit Wale	,	- 4 to + 2		- 4 to + 2				- 6 to + 2		- 6 to + 2	appearance and/or wear, report it as fail.
TI	\SF	Dimensional Change	%		fabric Cours		- 5 to + 2 💥	0	- 5 to + 2 **	-			- 7 to + 2 X	0	- 7 to + 2 🔆	*Dimensional change for neck band length of dress shirt shall be within ± 1.5%.
ESI	× ×			For sweaters, according to	Vnit Wol		-510 + 274		-5 to 1 2 A			H	-710+22	\vdash	-7 to +2	Difficusional change for neck band length of dress shift shall be within ± 1.570.
ΙE				care instructions.	fabric Cours			1 1				1		0	- 8 to + 2 **	
1	[11]	Appearance Change		care instructions.	labric Cours	0	No defects.	0	No defects.	0	No defects.	0	No defects.	0		Apply to fabrics with coating, flock finish, bonding finish and special prints (pigment,
L	NG NCI	Appearance Change		JIS L 0217	After 1st washin	U	4	U	4	U	4	U	4	U	No defects.	rubber printing, transfer printing, foam printing, lame), etc.
ME	EAT SHI STA	Change in Color	min. Grade	Method 103, Line dry				0	•	0	<u>_</u>	0	3	0	3	rubber printing, transfer printing, foam printing, fame), etc.
Σ	REP WA ESE	DI E		Method 103, Line dry	After 5th washir	ng O	3	\perp	3	_	3					
AR	_ ~	Bleeding	min. Grade			0	4 - 5	0		0	4 - 5	0	4 - 5	0		A La
Š		Appearance and Sewing				0	No defects.	0		0	No defects.	0		0		Apply to dry cleaning instructions. (Washing instructions may exclude this testing.)
	t)	Change in Color	min. Grade			0	4	0		0	4	0	4	0		
	ĬΒ	Bleeding	min. Grade			0	4 - 5	0		0	4 - 5	0	4 - 5	0		
	A N	Puckering	min. Grade	Professional Dry Cleaning Method		0	3	0		0	3	0	3	0		
1	CLEANING	Bias Filling after Washing	max. %	Perchloroethylene or Petroleum-ba	se	0	5 (3)	0	5 (3)	0	5 (3)	0	5 (3)	0	5 (3)	Value in () applies to slit, front opening, pattern in a longitudinal direction, etc.
	2 ≥	Dimensional Change	%	Telemorocally tene of Teleoloani ou	Woven fabric		± 2 ※	0	± 2 ※	0	± 2 ※					※Fabrics with recuperative strength in a transverse direction (rib stitch, crepe, etc.) are excluded from judgment of pass or fail. However, if it has an effect on
		Dimensional Change	/0		Knit fabric	0	± 2 ※	0	± 2 ※			0	± 2 ※	0	± 2 %	appearance and/or wear, report it as fail.
	rh.	Appearance Change				0	No defects.	0	No defects.	0	No defects.	0	No defects.	0	No defects.	Apply to fabrics with coating, flock finish, bonding finish and special prints (pigment,
	REPEATED RY CLEANING RESISTANCE			1	After 1st						,				4	rubber printing, transfer printing, foam printing, lame), etc.
	SAN			Professional Dry Cleaning Method	dry cleaning		4		4		4		4		4	
	PEA CLE IST.	Change in Color	min. Grade	Perchloroethylene or Petroleum-bas		10-		0		0		0		0		
1	RES RES			,	dry cleaning	.	3		3		3		3		3	
1	_ ≒ _	Bleeding	min. Grade		,	0	4 - 5	Ω	4 - 5	Ω	4 - 5	Ω	4 - 5	0	4 - 5	
L		Diccanig	mm. Grade	l		J	7 7	J	7 3	J	4.7	U	7.7	J	7-3	1

CATEGORY	ITEM
Men's wear	Coats, Suits, Jackets, Pants, etc.
Women's and Children's wear	Coats, Suits, Jackets, Dresses, Skirts, Pants, etc.
Woven shirts and blouses	Casual shirts, Dress shirts, Blouses, Sports shirts, etc.
Knit shirts and blouses	Casual shirts, Blouses, Sports shirts, Polo shirts, T-shirts, Training shirts, etc.
Sweaters	Knit sweaters, Cardigans, Vests, etc.
Night wear and Undergarments	Pajamas, Negligees, Undergarments, Lingerie, Foundation garments, etc.
Swimming wear	All swimming wear, Swimming caps, etc.
Babies' wear and Small products	Babies' wear (Outer garments, Intermediate garments, Undergarments, etc.), Small products (Towels, Bibs, Mittens, Hosiery, etc.) Note: Swimming wear for babies apply to "Swimming Wear".
Towels and Small products	Towels, Bath towels, Handkerchiefs, Scarves, Neckties, Hosiery, Gloves, Caps/Hats, etc.
Bedding and Furnishings	Bedding (Bed sheets and spreads, Blankets, Summer quilts, Futons, Bedding for babies, etc.), Furnishings (Curtains, Carpets, Rugs, Bath mats, etc.)
Natural leather	Natural leather for clothing (cow, horse, deer, pig, sheep, etc.)
Synthetic leather	Artificial leather, synthetic leather, etc. for clothing
Ornamentation and Trimmings	Ornamentation and Trimmings (Embroidery, Applique, Wappen, Spindle, Lace, Tape, Piping, Button, Zipper, etc).
Lining	Linings

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	test all colors for color		I S			,			- 1	REQUIREMENT					
	TEST ITEM		TEST METHOD	1	Night v	wear and Undergarment	S	Swimming wear			cts Tow	els and Small produc	ts Bec	lding and Furnishings	Remarks
F	Fiber Content (Fiber Iden	tification)	JIS L 1030		0		0		0		0		0		Apply to items required by law. Conduct fiber identification when it is suitable. Exclude from judgment of pass or fail.
	Light	min. Grade	JIS L 0842 Exposure Method 3		0	3*	0	3	0	3*	0	3*	0	3 [Curtain 4]	*Undergarments, lingerie, foundation garments and hosiery are excluded from testing. Yellowing due to fluorescent brightener is excluded from judgment of pass or fail.
			JIS L 0844	Change in color		4		4		4		4		4	Apply to washing instructions. Change in color due to fluorescent brightener is excluded from judgment of pass or fail.*
	Washing	min. Grade	No. A-1 or A-2	Staining	0	3	0	3	0	3	0	3	0	3	[Reference] Liquid contamination:≥ Grade 3
			No. A-1 of A-2	Stanning		4		4		4		4		4	Apply to fabrics with assorted colors of deep and pale shades.
				Bleeding		4 - 5		4 - 5		4 - 5		4 - 5		4 - 5	
ro.				Change in color		4		4		4		4		4	*Apply to bedding.
ES	Perspiration	min. Grade	JIS L 0848	Staining	<u></u>	3 (2 - 3)	ര	3		3 (2 - 3)		3 (2 - 3)	-0*	3 (2 - 3)	Value in () applies to fabrics with 50 % or more wool and silk.
FASTNESS	Cophanon	iiiii. Graac	Acid solution and Alkali solution		_	4	_lŭ	4		4		4		4	Apply to fabrics with assorted colors of deep and pale shades.
'AS			_	Bleeding		4 - 5		4 - 5		4 - 5		4 - 5		4 - 5	
				Dry		4 (3 - 4)	1	4 (3 - 4)		4 (3 - 4)		4 (3 - 4)		4 (3 - 4)	Value in () applies to fabrics with special prints, raising or deep shades.
COLOR	Rubbing	min. Grade	JIS L 0849 Type II		<u></u>		_	≪3≫		≪3≫		≪3≫		≪3≫	Value in ≪ ≫ applies to denim, velveteen and corduroy.
9	Rubbling	IIIII. Grade	13 L 0047	Wet	•	2 - 3 (2)		2 - 3 (2)		2 - 3 (2)		2 - 3 (2)		2 - 3 (2)	
•				WCt				≪1-2≫		≪1-2≫		≪1-2≫		≪1-2≫	
			JIS L 0860	Change in color		4				4		4		4	Apply to dry cleaning instructions.
	Dry Cleaning	min. Grade	Method A-1 (Perchloroethylene)	Staining	\circ	3 - 4				3 - 4		3 - 4		3 - 4	[Reference] Liquid contamination:≥ Grade 3
	Dry Cleaning	IIIII. Grade	or	Stanning		4				4		4		4	Apply to fabrics with assorted colors of deep and pale shades.
			Method B-1 (Petroleum-base)	Bleeding		4 - 5				4 - 5		4 - 5		4 - 5	
	Chlorinated Water	min. Grade	JIS L 0884 Method B	Change in color			0	4 (3 - 4)							Value in () applies to fabrics with 50% or more cellulosic fiber.
	Bleeding	min. Grade	Daimaru Method (Method I)	Staining	0	4 - 5	0	4 - 5	0	4 - 5	0	4 - 5	0	4 - 5	Apply to fabrics with assorted colors of deep and pale shades.
	Perspiration and Light	min. Grade	ATTS Method	Change in color				3			0	3			Apply to sportswear and caps/hats with 50% or more cellulosic fiber.
	Tensile Strength	min. N	JIS L 1096 Method A (Strip Method)	ĺ		200 (150)		200		150	0	≪120≫	0	150 ≪120≫	Apply to woven fabrics. Value in () applies to thin fabrics. Value in ≪ ≫applies to blankets and towel clothes.
	Tear Strength	min. N	JIS L 1096 Method D (Pendulum Method)		0	10 (7)	0	10 (6)	0	7*	0	10 (6)*	0	10 (7)*	Apply to woven fabrics. Value in () applies to thin fabrics. *Towel clothes are excluded from testing.
	Bursting Strength	min. kPa	JIS L 1096 Method A (Mullen Type Method)		0	500 (300)	0	500 (350)	0	300		500 (350)	0	500 (400)	Apply to knit fabrics. Value in () applies to thin fabrics.
	Slippage Resistance	max. mm	JIS L 1096 Method B (Seam Slipping Method)		0	3		3		3		3		3	Apply to woven fabrics. Load applied: Thick fabrics117.7N, Thin fabrics49.0N
	Pilling	min. Grade	JIS L 1076 Method A (ICI Type Method)			3 (2.5)				3				3 (2.5)	Woven fabrics: 10 hours, Knit fabrics: 5 hours Value in () applies to raised and woolen fabrics
	Snag	min. Grade	JIS L 1058 Method D-1 (Damage Bar Method)			3	0	3		3				3	Apply to continuous filament yarn and textured yarn.
		min. %	JIS L 1075 Method A (Universal Type Method)						0	50	0	50	0	60	Apply to velveteen and corduroy.
	Pile Retention	min. N	JIS L 1075 Method B (Tensile Testing Machine Method))							O	1	O	1	Apply to towel cloth (loop pile).
Ţ	Water Repellency	min. Grade	JIS L 1092 Spray Method	Original/After wash or dry cleaning					0	2/2					Apply to water repellency disclosures.
PROPERTY		max.	• •	or dry cleaning			П			3			0	3	Apply to feathers.
Ö	Air Permeability	cm ³ /cm ² · S	JIS L 1096 Method A (Frazier Type Method)							5				5	Apply to padding such as wool and synthetic fiber.
	Padding Penetration		Boken Method BQE A 012						0	Yes (Not			0	Yes (Not	Apply to padding such as feathers, wool and synthetic fiber.
PHYSICAL			Boken Method BQE A 013										-	,	
SIC	Fluff Loss	max. %	Method 103								0	0.2	0	0.2	Apply to towel cloth, bath mats and washable carpets.
Σ						No (n < 10 cm)				No (n < 10 cm)					Apply to pile and raised Pass
E	Surface Flash		JIS L 1917	Flame spread	OY	es (10cm ≤ n < 20cm)		01	Yes (10cm ≤ n < 20ci	m)		7 1		surface with cellulosic Caution needed (Fail) Need warnings.
				F		es (Take 1 second or more to 20cr	n)		- '	Yes (Take 1 second or more to 20			1		fiber of 50% or more. Caution needed (Fail) Need warnings.
	Fluff Adherence	min. Grade	Boken Method BQE B 014		0	3			0	3		3	0	3	Apply to fabrics with raising, pile and animal fiber blended.
	Abrasion Resistance	min. Cycle	JIS L 1096 Method F-1 (Uniform Type Method))	Ŭ				Ŭ		0	500	Ŭ	-	Apply to hosiery.
	Totalion registance														Apply to bath mats and towels with pile or loop pile.
		max. Second	JIS L 1907 Sedimentation Method								0	60	0	60	[Reference] For materials over 60 seconds, report data of Method 103. (1 wash, Line d
	Water Absorbency														Apply to towels and bath mats without pile or loop pile.
		max. Second	JIS L 1907 Instillation Method								0	10	0	10	[Reference] For materials over 10 seconds, report data of Method 103. (1 wash, Line data)
[1]			JIS L 0217	Woven fabric	(- 5 to + 2 🔆	0	- 5 to + 2 **	0	- 4 to + 2 💥	0	- 5 to + 2 **	0	- 5 to + 2	Apply to washing instructions.
Ξ			Washing: According to care Line dry		•	- 6 to + 2	9	- 6 to + 2		- 6 to + 2		- 6 to + 2		- 6 to + 2	*Use Method 103 when no care instructions are proposed.
CHANGE	Home Laundering	%	instructions.*	fabric Course	0	- 8 to + 2 **	0	- 8 to + 2 **	0	- 8 to + 2 **	0	- 8 to + 2 **	0	- 8 to + 2	*Fabrics with recuperative strength in a transverse direction (rib stitch, crepe, etc.)
	Method	/0	Drying: Preference to line dry.	Knit Wale		0 to 1 2 A	+	-010 - 2 🛪		- 7 to +2		-010 - 2 /	+	- 0 10 1 2	are excluded from judgment of pass or fail. However, if the appearance change is
ΨF			For sweaters, according to care Flat dry	fabric Course			1 }		0	- / to +2 - 8 to + 2 **	+		+		noticeable, it shall be judged as fail.
Ñ			instructions.	aoric Course			+						+		Apply to dry cleaning instructions. (Washing instructions may exclude this testing.)
ISIC	Der Classins			Woven fabric	0	± 2 💥			0	± 2 💥	0	± 2 💥	0	± 2	
DIMENSIONAL	Dry Cleaning	%	JIS L 1096 Method J-1 or J-2				1 1				+		+		**Fabrics with recuperative strength in a transverse direction (rib stitch, crepe, etc.)
1 2	Method	1		Knit fabric	0	± 2 🔆			0	± 2 💥	0	± 2 💥	0	± 2	are excluded from judgment of pass or fail. However, if the appearance change is
										//					noticeable, it shall be judged as fail.

[·] White and gray fabrics may exclude the color fastness test unless the fabric has a possibility of color and/or feeling change.

^{*}When change in color due to fluorescent brightener is grade 3 - 4 or below, warnings such as "Use detergent without fluorescent brightener" shall be included in the care instructions.

^{· &}quot;[Reference]" shall exclude from judgment of pass or fail.

Boken Standard (Textile Products) Fabrics and Garments Performance Standards - Excerpted Version - ©: Mandatory tests O: Mandatory tests depending on fabrics and use

In pri	nciple, t	est all colors for colors	fastness and t	formaldehyde testing, and to	est one c	olor for each s	tyle	number, design and	l ma	terial for fiber conte			imen	sional change and	garı	ment testing. (Forma	aldehyde is excluded.) www.boken.or.jp
		TEST ITEM		TEST METHOD			Nigh	nt wear and Undergarments	1	Swimming wear		REQUIREMENT ies wear and Small products	Towe	le and Small producte	Ro	dding and Eurnichings	Remarks
	FO	DRMALDEHYDE	max. A-Ao max. μg/g	A-Ao Ministry of Health and Babies				it well and Oldergaments	0	0.05 16	0	0.05 16	Towc	is and Sman products	0	0.05 16	Apply to law regulated items. Test all colors. Test all parts separately.
		-	max. μg/g	Welfare Ordinance No. 34	Others		0	75					0	75		-	
	Ü	Fiber Content		Household Goods Quality Label													*For caps/hats, comply with the Tokyo Metropolitan Ordinance.
	Ž	Care Instructions		Household Goods Quality Label	ling Act							Must be appropriate.*					*For caps/hats, comply with the Tokyo Metropolitan Ordinance.
	LABELING	Size		JIS, etc.			0	Must be appropriate.	0	Must be appropriate.	0	Must be appropriate.	(O) N	fust be appropriate.	0	Must be appropriate.	Exclude from judgment of pass or fail.
		Country of Origin		Act against Unjustifiable Pre and Misleading Representation			0	Must be appropriate.	0	Must be appropriate.	0	Must be appropriate.	(O)	fust be appropriate.	0	Must be appropriate.	
	APPEA- RANCE	Appearance and Sewing		Boken Sewing Performance	Standard		0	Must meet requirements.	0	Must meet requirements.	0	Must meet requirements.	0	Must meet requirements.	0	Must meet requirements.	
		Appearance and Sewing					0	No defects.	0	No defects.	0	No defects.	0	No defects.	0	No defects.	Apply to washing instructions.
	Œ	Change in Color	min. Grade	JIS L 0217			0		0	4	0		0	4	0	4	
	RESISTANCE	Bleeding	min. Grade	Washing: According to care inst	tructions.		0		0	4 - 5	0		0		0	4 - 5	
	ZT/	Puckering	min. Grade	Drying: Preference to line dry.			0		0	3	0		0	3	0	3	
ڻ	ESI	Bias Filling after Washing	max. %				0	7 (5)	0	7 (5)	0	7 (5)	0	7 (5)	0	7 (5)	Value in () applies to slit, front opening, pattern in a longitudinal direction, etc.
TING					Line dry	Woven fabric	0	- 5 to + 2 💥	0	- 5 to + 2 💥	0	- 4 to + 2 💥	0	- 5 to + 2 💥	0	- 5 to +2	※Fabrics with recuperative strength in a transverse direction (rib stitch, crepe, etc.) are excluded from judgment of pass or fail. However, if it has an effect on
ESJ	WASHING	Dimensional Change	%		Line dry	Knit Wale	0	- 6 to + 2	0	- 6 to + 2	0	- 6 to + 2	0	- 6 to + 2	0	- 6 to + 2	appearance and/or wear, report it as fail.
TE	VAS					fabric Course	Ŭ	- 8 to + 2 💥		- 8 to + 2 **	Ŭ	- 8 to + 2 💥	_	- 8 to + 2 💥	•	- 8 to + 2	
E	>			For sweaters, according to care instructions.	Flat dry	Knit Wale fabric Course	-				0	- 7 to + 2 - 8 to + 2 **	-		-		
MEN	EG TCE	Appearance Change					0	No defects.	0	No defects.	0	No defects.	0	No defects.	0	No defects.	Apply to fabrics with coating, flock finish, bonding finish and special prints (pigment,
R	SHIN TAN	Change in Color	min. Grade	JIS L 0217		After 1st washing	0	4	0	4	0	4	0	4	0	4	rubber printing, transfer printing, foam printing, lame), etc.
₹	REPE WA! ESIS	•		Method 103, Line dry		After 5th washing		3		3		3		3		3	
G	н . В	Bleeding	min. Grade				0		0	4 - 5	0		0	4 - 5	0	4 - 5	
		Appearance and Sewing					0	No defects.			0		0	No defects.	0	No defects.	Apply to dry cleaning instructions. (Washing instructions may exclude this testing.)
	Ð	Change in Color Bleeding	min. Grade				0	4 - 5			00		0	4 - 5	00	4 - 5	
	NE SE	Puckering	min. Grade				0	3			0		0	3	0	3	
	CLEANING	Bias Filling after Washing	max. %	Professional Dry Cleaning M			0	5 (3)			0		0	5 (3)	0	5 (3)	Value in () applies to slit, front opening, pattern in a longitudinal direction, etc.
	DRY CI RESIS			Perchloroethylene or Petrole	um-base	Woven fabric		± 2 ※			0		0	± 2%	0	±2	**Fabrics with recuperative strength in a transverse direction (rib stitch, crepe, etc.) are excluded from judgment of pass or fail. However, if it has an effect on
	ı	Dimensional Change	%			Knit fabric	0	± 2 ※			0	± 2 ※	0	± 2 %	0	±2	appearance and/or wear, report it as fail.
		Appearance Change					0	No defects.			0	No defects.	0	No defects.	0	No defects.	Apply to fabrics with coating, flock finish, bonding finish and special prints (pigment,
	TED ANING ANCE	11 0		Professional Dry Cleaning M	fethod	After 1st dry cleaning		4				4		4		4	rubber printing, transfer printing, foam printing, lame), etc.
	PEA CLE SIST/	Change in Color	min. Grade	Perchloroethylene or Petrole		After 3rd dry cleaning	0	3			0	3	0	3	0	3	
	RE DRY RES	Bleeding	min. Grade				O	4 - 5			0	4 - 5	Ω	4 - 5	0	4 - 5	
Ц	1	Diccuing	mm. Grade	l		l	\cup	¬ -J	ш		U	4-3	\cup	τ- υ	U	7-3	

CATEGORY	ITEM
Men's wear	Coats, Suits, Jackets, Pants, etc.
Women's and Children's wear	Coats, Suits, Jackets, Dresses, Skirts, Pants, etc.
Woven shirts and blouses	Casual shirts, Dress shirts, Blouses, Sports shirts, etc.
Knit shirts and blouses	Casual shirts, Blouses, Sports shirts, Polo shirts, T-shirts, Training shirts, etc.
Sweaters	Knit sweaters, Cardigans, Vests, etc.
Night wear and Undergarments	Pajamas, Negligees, Undergarments, Lingerie, Foundation garments, etc.
Swimming wear	All swimming wear, Swimming caps, etc.
Babies' wear and Small products	Babies' wear (Outer garments, Intermediate garments, Undergarments, etc.), Small products (Towels, Bibs, Mittens, Hosiery, etc.) Note: Swimming wear for babies apply to "Swimming Wear".
Towels and Small products	Towels, Bath towels, Handkerchiefs, Scarves, Neckties, Hosiery, Gloves, Caps/Hats, etc.
Bedding and Furnishings	Bedding (Bed sheets and spreads, Blankets, Summer quilts, Futons, Bedding for babies, etc.), Furnishings (Curtains, Carpets, Rugs, Bath mats, etc.)
Natural leather	Natural leather for clothing (cow, horse, deer, pig, sheep, etc.)
Synthetic leather	Artificial leather, synthetic leather, etc. for clothing
Ornamentation and Trimmings	Ornamentation and Trimmings (Embroidery, Applique, Wappen, Spindle, Lace, Tape, Piping, Button, Zipper, etd.
Lining	Linings

⊚: Mandatory tests O: Mandatory tests depending on fabrics and use

	TEST ITEM		TEST METHOD						REQU!					Remarks
			-				Natural leather	S	Synthetic leather		mentation and Trimmings		Lining	Apply to items required by law. Conduct fiber identification when it is suitable.
Fiber	Content (Fiber Identificat	ion)	JIS L 1030							0)		Exclude from judgment of pass or fail.
Leath	er Identification		JIS L 1030 applied correspon	ndingly		0		0						Apply to leather disclosure. Exclude from judgment of pass or fail.
	Light	min. Grade	JIS L 0842 Exposure Method 3			0	3 (2)	0	3		3		3	Value in () applies to pale shades. Yellowing due to fluorescent brightener is excluded from judgment of pass or fail
			JIS L 0844		Change in colo	r	4		4		4		4	Apply to washing instructions. Change in color due to fluorescent brightener is excluded from judgment of pass or fail.*
	Washing	min. Grade	No. A-1 or A-2		Staining	1	3	0	3 - 4	_ 0		<u>_</u> [د	3 - 4	[Reference] Liquid contamination:≥ Grade 3
					Bleeding	-	4 - 5	ł -	4 - 5	-	4 - 5	H	4 - 5	Apply to fabrics with assorted colors of deep and pale shades.
					Change in colo	r	4 - 3		4 - 3		4 - 3	+	4 - 3	
			JIS L 0848		-	1	3		3 - 4	7 t	3 - 4(3)	_ -	3 - 4 (3)	Value in () applies to fabrics with 50 % or more wool and silk.
	Perspiration	min. Grade	Acid solution and Alkali solu	ution	Staining		4	0	4	7	4	9 -	4	Apply to fabrics with assorted colors of deep and pale shades.
S					Bleeding		4 - 5		4 - 5		4 - 5		4 - 5	
Œ					Dry				4 (3 - 4)	_	4 (3 - 4)		4 (3 - 4)	Value in () applies to fabrics with special prints, raising or deep shades.
ST			JIS L 0849	Type II	,	4		0		-0*	«3»	<u> </u>		Value in ≪ ≫ applies to denim, velveteen and corduroy.
FASTNESS	Rubbing	min. Grade		71	Wet				2 - 3 (2)	4 F	2 - 3 (2)	-	2 - 3 (2)	*Apply to tape and piping. (For zipper, apply to tape.)
COLOR			JIS L 0849		Dry		3 - 4 (3)				≪1 - 2≫			Value in () applies to deep shade, suede, nubuck, etc.
OTO			JIS K 6547	Type II	Wet	0	2 (1 - 2)			- -		H		value in () applies to deep shade, saede, habden, etc.
ŏ			JIS L 0860	1	Change in colo	r	4		4		4		4	Apply to dry cleaning instructions.
	Dry Cleaning	min. Grade	Method A-1 (Perchloroethyle	ene)	Staining		3	0	3 - 4		3 - 4	\sim	3 - 4	[Reference] Liquid contamination:≥ Grade 3
	Dry Cleaning	IIIII. Grade	or			g 4			4	\Box \Box	4	$^{\prime}\Box$	4	Apply to fabrics with assorted colors of deep and pale shades.
			Method B-1 (Petroleum-base	e)	Bleeding		4 - 5		4 - 5	$\perp \perp \downarrow$	4 - 5		4 - 5	
				Change in colo	r	4		4	4	4		4	W1 : () F (C1: 21500/ 1 1 1 H	
	Water	Water min. Grade	JIS L 0846		Staining	1	3 4	 	3 - 4	0	3 - 4 (3)	-	3 - 4 (3)	Value in () applies to fabrics with 50 % or more wool and silk. Apply to fabrics with assorted colors of deep and pale shades.
					Bleeding	1 1	4 - 5	+ -	4 - 5	-	4 - 5	H	4 - 5	Apply to faories with assorted colors of deep and pale shades.
					Change in colo	r _	4		4 3		7 3		7 3	
	Water Spotting	min. Grade	JIS L 0853		Appearance		No change.			7				Natural leather shall not have deformation caused by swelling, etc.
	Bleeding	min. Grade	Daimaru Method (Method I		Staining	0	4 - 5	0	4 - 5	0	4 - 5)	4 - 5	Apply to fabrics with assorted colors of deep and pale shades.
	Tensile Strength	min. N	JIS L 1096 Method A (Strip						200				200 (150)	Apply to woven fabrics. Value in () applies to thin fabrics.
. 1 5=	Tear Strength	min. N	JIS L 1096 Method D (Pendului					0	10)	10 (7)	Apply to woven fabrics. Value in () applies to thin fabrics.
Z Z	Bursting Strength	min. kPa	JIS L 1096 Method A (Mullen Typ					0	500	+		2	500 (350)	Apply to knit fabrics. Value in () applies to thin fabrics.
SE SE	Slippage Resistance	max. mm	JIS L 1096 Method B (Seam Slippi JIS K 6552	ng Method)		0	50			\perp	(2	3	Apply to woven fabrics. Load applied: Thick fabrics117.7N, Thin fabrics49.0
PHYSICAL PROPERTY	Tensile Strength Tear Strength	min. N min. N	JIS K 6552			0	50 10			+		+		
	Crack, Touch	IIIII, IN	Cracking and Touching Test				No crack and							
	*		JIS S 3015				smoothing to the touch			0	Must be good.	+		Apply to zipper.
\perp	Appearance Chain Crosswise										Must meet JIS	+		Apply to zipper. Apply to zipper.
ER	Strength		JIS S 3015							0	requirements.			
(ZIPPER) PROPERTY	Overall Slider Strength		JIS S 3015							0	Must meet JIS requirements.			Apply to zipper.
PF	Pull and Slider		JIS S 3015							0	Must meet JIS			Apply to zipper.
Ë	Twist Strength Slider Lock		313 3 3013								requirements.			And to since the last week with a since of the
JP.	Holding Strength		JIS S 3015							0	Must meet JIS requirements.			Apply to zipper with lock mechanism on slider
L (Z	Opening and Closing		JIS S 3015							0	Must meet JIS			Apply to zipper of 20 cm or over.
PHYSICAL	of Zipper Durability Slider Movement									-	requirements. Must meet JIS			Apply to zipper.
YSI			JIS S 3015							0	requirements.			Арргу to гаррет.
ΡΗ	Resistance Plate Corrosion Resistance		ЛS S 3015							0	Must meet JIS requirements.			Apply to plated zipper.
	Resistance		JIS L 0217		Woven fabric			0	- 3 to + 2		-)	- 4 to + 2	Apply to washing instructions. *Use Method 103 when no care instructions are proposed.
ΑΓ	Home Laundering	%	Washing: According to care	Line dry	Knit Wale						- 5 to + 2	T	- 5 to + 2	1
S S	Method		instructions*. Drying: Preference to line dry.	,	fabric Course			0	- 3 to + 2		- 5 to + 2	⊃⊢	- 5 to + 2	-
DIMENSIONAL CHANGE	D 01 :		Drying, Preference to fine dry.		Woven fabric			0	±2)	±2	Apply to dry cleaning instructions. (Washing instructions may exclude this testing
∑ ∪	Dry Cleaning	%	JIS L 1096 Method J-1 or J-2	2		0	±2*			11		1	-	*JIS L 1096 J-1 and J-2 Method applied correspondingly.
≂	Method				Knit fabric			0	±2		±2		±2	

[•] White and gray fabrics may exclude the color fastness test unless the fabric has a possibility of color and/or feeling change.

^{*}When change in color due to fluorescent brightener is grade 3 - 4 or below, warnings such as "Use detergent without fluorescent brightener" shall be included in the care instructions.

^{· &}quot;[Reference]" shall exclude from judgment of pass or fail.

Boken Standard (Textile Products) Fabrics and Garments Performance Standards - Excerpted Version - ©: Mandatory tests depending on fabrics and use

In principle, test all colors for colorfastness and formaldehyde testing, and test one color for each style number, design and material for fiber content, physical property, dimensional change and garment testing. (Formaldehyde is excluded.)

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	TEGT ITEM		TEST METHOD		Ĺ			REQUIRE	MENT		Powerles
	TEST ITEM		TEST METHOD			Natural leather		Synthetic leather C	rnamentation and Trimmings	Lining	Remarks
(7)	Fiber Content		Household Goods Quality Labeling Act		(i) N	fust be appropriate.	0 1	Aust be appropriate.			
Ž	Care Instructions		Household Goods Quality Labeling Act		(i)	fust be appropriate.	(O)	Must be appropriate.			
3EL	Size		JIS, etc.		(i)	fust be appropriate.	0 1	Aust be appropriate.			Exclude from judgment of pass or fail.
LABELING	Country of Origin		Act against Unjustifiable Premiums and Misleading Representations		(i) N	Must be appropriate.	(O)	Must be appropriate.			
APPEA-			Boken Sewing Performance Standard		0	Must meet requirements.	0	Must meet requirements.			
	Appearance and Sewing				0	No defects.	0	No defects.			Apply to washing instructions.
[12]	Change in Color	min. Grade			0	4	0	4			
HING	Bleeding	min. Grade	Washing: According to care instructions.		0	4 - 5	0	4 - 5			
		min. Grade	Drying: Preference to line dry.		0	3	0	3			
G 'ASF	Bias Filling after Washing	max. %			0	7 (5)	0	7 (5)			Value in () applies to slit, front opening, pattern in a longitudinal direction, etc.
N × ×				Woven fabric			0	- 3 to + 2			
STIN	Dimensional Change	%	Line dry	Knit Wale fabric Course	-	- 3 to + 2	0	- 3 to + 2			
T E	Appearance Change					No defects.	0	No defects.			Apply to fabrics with coating, flock finish, bonding finish and special prints (pigment,
T PEAT ASHII	Change in Color	min. Grade		After 1st washing After 5th washing	0	3	0	3			rubber printing, transfer printing, foam printing, lame), etc.
RE W.	Bleeding	min. Grade	•		0	4 - 5	0	4 - 5			
ME	Appearance and Sewing				0	No defects.	0	No defects.			Apply to dry cleaning instructions. (Washing instructions may exclude this testing.)
	Change in Color	min. Grade			0	4	0	4			
GAR NING	Bleeding	min. Grade			0	4 - 5	0	4 - 5			
Y X	Puckering	min. Grade	Professional Dry Cleaning Method		0	3	0	3			
CLE	Bias Filling after Washing	max. %	Perchloroethylene or Petroleum-base		0	5 (3)	0	5 (3)			Value in () applies to slit, front opening, pattern in a longitudinal direction, etc.
DRY C RESI	Dimensional Change	%	reconstruction of redocum base	Woven fabric	0	±2	0	±2			
	Difficilsional Change	70		Knit fabric		-2	0	±2			
ניז	Appearance Change				0	No defects.	0	No defects.			Apply to fabrics with coating, flock finish, bonding finish and special prints (pigment,
ATED	Change in Color	min. Grade	Professional Dry Cleaning Method	After 1st washing		4		4			rubber printing, transfer printing, foam printing, lame), etc.
REPE/	Change in Color	min. Grade	Perchloroethylene or Petroleum-base			3		3			
	Bleeding	min. Grade			0	4 - 5	0	4 - 5			

CATEGORY	ITEM
Men's wear	Coats, Suits, Jackets, Pants, etc.
Women's and Children's wear	Coats, Suits, Jackets, Dresses, Skirts, Pants, etc.
Woven shirts and blouses	Casual shirts, Dress shirts, Blouses, Sports shirts, etc.
Knit shirts and blouses	Casual shirts, Blouses, Sports shirts, Polo shirts, T-shirts, Training shirts, etc.
Sweaters	Knit sweaters, Cardigans, Vests, etc.
Night wear and Undergarments	Pajamas, Negligees, Undergarments, Lingerie, Foundation garments, etc.
Swimming wear	All swimming wear, Swimming caps, etc.
Babies' wear and Small products	Babies' wear (Outer garments, Intermediate garments, Undergarments, etc.), Small products (Towels, Bibs, Mittens, Hosiery, etc.) Note: Swimming wear for babies apply to "Swimming Wear".
Towels and Small products	Towels, Bath towels, Handkerchiefs, Scarves, Neckties, Hosiery, Gloves, Caps/Hats, etc.
Bedding and Furnishings	Bedding (Bed sheets and spreads, Blankets, Summer quilts, Futons, Bedding for babies, etc.), Furnishings (Curtains, Carpets, Rugs, Bath mats, etc.)
Natural leather	Natural leather for clothing (cow, horse, deer, pig, sheep, etc.)
Synthetic leather	Artificial leather, synthetic leather, etc. for clothing
Ornamentation and Trimmings	Ornamentation and Trimmings (Embroidery, Applique, Wappen, Spindle, Lace, Tape, Piping, Button, Zipper, etc).
Lining	Linings