O: 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.)

hite and gr	ay fabrics may exclude the col	lor fastness tes	t unless the fabric has a possibility of colo	or and/or feeling cha			-	operty, dimensional change and ga						www.boken.o
	TEST ITEM		TEST METHOD			Men's wear	v	REQUIREM	MEI	NT Shirts and blouses	-	Remarks		
Fibor	Content (Fiber Identification)		JIS L 1030		0	Men's wear		©	2		Ø	Sweaters	A male to items as using th	by law. Conduct fiber identification when it is suitable. Exclude from judgment of pass or fail
Tiber	Light	min Crada	JIS L 0842 Exposure Method 3		0	4 (3)	0	4 (3)	_		0	3		pale shades. Exclude yellowing due to fluorescent brightener from judgment of pass or fai
	Light	min. Grade	JIS E 0842 Exposure Method 5	Change in color	0		0		/		0			are shades. Exclude yenowing due to habeseent originenter from judgment of pass of habeseent originent or pass of habeseent originent originent or pass of habeseent originent origine originent originent originent originent
			HC I 0844	Change in color		4		4	⊢	4	┥┝	4		or due to fluorescent optical brightener from judgment of pass or fail.*
	Washing	min. Grade	JIS L 0844 No. A-1 or A-2	Staining	0	3 - 4 (3) [4]	0	3 - 4 (3) [4] C		3 [4]	0	3 - 4 [4]	-	o denim. Value in [] applies to fabrics with assorted colors of deep and pale shades.
			No. A-1 01 A-2	Bleeding	4	4.5		1.5	\vdash		┥┝	4.5		denim. Value in [] applies to fabrics with assorted colors of deep and pale shades. I contamination: \geq Grade 3
				3		4 - 5		4 - 5		4 - 5		4 - 5		
ŝ	Perspiration	min. Grade	JIS L 0848	Change in color Staining		4			Ľ			4		fabrics with 50 % or more wool and silk. fabrics with assorted colors of deep and pale shades.
JES	Perspiration	min. Grade	Acid solution and Alkali solution	Bleeding	0	3 - 4 (3) [4]	0	- (7)(1 -	┦┝	3 - 4 (2 - 3) [4]	0	3 - 4 (3) [4]	value in [] applies to	labrics with assorted colors of deep and pale shades.
FASTNESS				Dry		4 - 5		4 - 5 4 (3 - 4) ≪3≫		4 - 5 4 (3 - 4) ≪3≫		4 - 5 4 (3 - 4)	Value in () applies to	fabrics with special prints, raising or deep shades.
	Rubbing	min. Grade	JIS L 0849 Type II	Wet	0	$4(3-4) \ll 3 \gg$ 2-3(2) $\ll 1-2 \gg$	0	4 (3 - 4) « 3 » 2 - 3 (2) «1 - 2»	∍⊢	4 (3 - 4) % 3 » 2 - 3 (2) %1 - 2 »	0	2 - 3 (2)		
COLOR						2 - 3 (2) ~ 1 - 2 »		0		2 - 3 (2) < 1 - 2 > 4		()	Apply to items labeled	s to denim, velveteen and corduroy.
OLO			JIS L 0860	Change in color	4	4		4	+	4	╡╞	4		
õ	Dry Cleaning	min. Grade	Method A-1 (Perchloroethylene)	Staining	0	3 - 4 [4]	0	3 - 4 [4] C		3 - 4 [4]	0	3 - 4 [4]		fabrics with assorted colors of deep and pale shades.
			Method B-1 (Petroleum-base)	Bleeding					+		┥┝		[Reference] Liquid	d contamination: \geq Grade 3
	0 11 1	1.0.1	JIS L 0889	Change in color		4 - 5		4 - 5	-	4 - 5		4 - 5	Apply to water-washin	no itama
	Oxygen bleach	min. Grade	JIS L 0889 Daimaru Method (MethodI)	Change in color Staining		4 - 5	0	4 4-5 C			0	4		assorted colors of deep and pale shades.
	Bleeding	min. Grade	JIS L 0888 Method B	stanning	0	4 - 5	0			4 - 5	10	4 - 5		assorted colors of deep and pale shades. nd caps/hats with 50% or more cellulosic fiber.
	Perspiration and Light	min. Grade	ATTS perspiration solution (acid/alkaline)	Change in color		3		3 C		3		3	Apply to sportswear at	nu caps/nats with 50% of more centulosic liber.
	Transla Care - 1		JIS L 1096 Method A (Strip Method)			250 (200)		200 (150)	+	200 (150)			Apply to ware fail i	Volue in () applies to this fabrics
	Tensile Strength	min. N	JIS L 1096 Method A (Strip Method) JIS L 1096 Method D (Pendulum Meth	- J)		250 (200) 13 (10)	0	200 (150) 10 (7)	_	200 (150)				S. Value in () applies to thin fabrics. S. Value in () applies to thin fabrics.
	Tear Strength	min. N	JIS L 1096 Method D (Pendulum Meth	,	0		0	. (,)		10 (7)			** *	
	Bursting Strength	min. kPa		,	0		0	400 (300) C			0	400 (300)		ics. Value in () applies to thin fabrics.
-	Slippage Resistance	max. mm	JIS L 1096 Method B (Seam Slipping M		0	3	0	3 C		3				es. Load applied: Thick fabrics117.7N, Thin fabrics49.0N
z	Pilling	min. Grade	JIS L 1076 Method A (ICI Type Metho		0	3	0	3		3		3 (2.5)		urs, Knitted fabrics: 5 hours Value in () applies to raised and woolen fabrics.
	Pile Retention	min. %	JIS L 1075 Method A (Universal Type	-	0	60	0	60 C		50			Apply to velveteen and	
ERT	Water Repellency	min. Grade	JIS L 1092 Spray Method	Original/After wash or dry cleaning	0	2/2	0	2/2					Apply to items labeled	d with water repellency.
L PROPERTY	Water resistance	mm or over	JIS L 1092 Hydrostatic pressure metho Method A(Low hydraulic pressure meth		300		300					Apply to rainwears, dia	aper cover or bedding such as waterproof sheets.	
CV P	Air Permeability	max.	JIS L 1096 Method A (Frazier Type M	athod)		3		3					Apply to feathers.	
F A B K PHYSICAL	-	cm3/cm2 · S		culou)		5		5						n as wool and synthetic fiber.
Ηd	Padding Penetration		Boken Method BQE A 012		0	Yes (Not noticeable.)	0	Yes (Not noticeable.)					Apply to padding such	n as feathers, wool and synthetic fiber.
						No (n < 10 cm)		No (n < 10 cm)		No (n < 10 cm)		No (n < 10 cm)	Apply to raised items	Pass
	Surface Flash		JIS L 1917	Flame spread		$Yes (10cm \le n < 20cm)$		Yes $(10 \text{ cm} \le n \le 20 \text{ cm})$		$Yes (10cm \le n \le 20cm)$		$Yes (10cm \le n \le 20cm)$	with cellulosic fiber	Caution needed (Fail) Need warnings.
						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)	of 50% or more.	Caution needed (Fail) Need warnings.
	Fluff Adherence	min. Grade			0	3	0	3 C		3	0	3		raising, chenille yarn or animal fiber blended.
	Abrasion resistance	times or	JIS L 1096 Method E	Thick fabric		20000		20000		20000	1		Apply to items made o	of wool or hair.
		over	(Martindale method)	Thin fabric		10000		10000		10000				
			JIS L 1930 / JIS L 0217 Wahing: L ine dra	Woven fabric	0	- 4 to + 2 🔆	0	- 4 to + 2 % C		- 4 to + 2 🔆			Apply to items labeled	-
			Wahing: Line dry according to care symbols		0	- 5 to + 2	0	- 5 to + 2	۶L	- 6 to + 2	0	- 6 to + 2		h recovery force in traverse direction (rib stitch, crepe, etc.) from pass/fail judgment.
			When not determined.	fabric Course		- 5 to + 2 **		- 5 to + 2 %		- 7 to + 2 🔆		- 7 to + 2 💥	Reject items with no	pticeable appearance change.
[1]	Home Laundering	%	Method C4M / Method 103	Woven fabric	0	- 5 to + 2 **	0	- 5 to + 2 % C		- 5 to + 2 🔆				
CHANGE	Method		Drying: Tumble		0	- 8 to 0	0	- 8 to 0		- 8 to 0	0	- 8 to 0		
VE			according to care symbols	fabric Weft		- 10 to 0 %		- 10 to 0 %		- 10 to 0 %		- 10 to 0 %		
			When not determined, Flat dry	Knitted Wale	0	- 7 to + 2	0	- 7 to + 2		- 7 to + 2	0	- 7 to + 2		
4AL			Place priority to tumble.	fabric Course		- 8 to + 2 *		- 8 to + 2 %		- 8 to + 2 %		- 8 to + 2 %		
DIMENSIONAL	Dry Cleaning %		JIS L 1096 Method J-1 or J-2	Woven fabric	0	± 3 %	0	± 3 % C	_	± 3 %			Apply to items labeled with dry cleaning. (Exclude items labeled with water washing from this testing.) %Exclude fabrics with recovery force in traverse direction (rib stitch, crepe, etc.) from pass/fail judgment. Reject items with noticeable appearance change.	
DIM				Knitted fabric	0	± 3 ×	0	± 3 %		± 3 🔆	0	± 3 🔆	reject tenis with no	succuse appendance enunge.
	Wet Cleaning Method	%	JIS L 1931-4	Woven fabric	0	±3 ※	0	±3 ※ C	þ	±3 ※			*Exclude fabrics with	l with "wet cleaning". (Omit items labeled with "water washing".) h recovery force in traverse direction (rib stitch, crepe, etc.) from pass/fail judgment.
	er Cicannig Wethou	70	JIS L 1931-4 Knitted		0	±3 ※	0	±3 % C		±3 ※	0	±3※	Reject items with no	oticeable appearance 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.

· " [Reference] " shall exclude from judgment of pass or fail.

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

	TEST ITEM		TEST METH	HOD					REQUI	REMI	ENT			Remarks
	IESI IIEM		IESI MEII	HOD			Men's wear	1	Vomen's and Children's wear		Shirts and blouses		Sweaters	Remarks
Certa	in aromatic amines	µg/g (mg/kg) or lower	<textile products=""> The revision of Ordinance of the M Labour and Welfare No. 34 or JIS ISO24362-1&-3</textile>			0	30	0	30	0	30	0	30	Apply to items regulated by law Certain aromatic amines 24 substances <leather products=""> The revision of Ordinance of the Ministry of Health, Labour and Welfare No. 34 or ISO17234-1&-2</leather>
5	Fiber Content		Household Goods Quality Labelin	-		O	Must be appropriate.	0	Must be appropriate.	\odot	Must be appropriate.	0	Must be appropriate.	Exclude size labeling from judgment of pass/fail
LABELING	Care Instructions		Household Goods Quality Labelin	ng Act		O	Must be appropriate.	0		\odot	Must be appropriate.	O		
BEI	Size		JIS, etc.			O	Must be appropriate.	Ø	Must be appropriate.	\odot	Must be appropriate.	O	Must be appropriate.	
LA	Country of Origin		Act against Unjustifiable Premium Representations	ns and Mi	sleading	Ø	Must be appropriate.	Ø	Must be appropriate.	©	Must be appropriate.	۵	Must be appropriate.	
APPE/ RANC	Appearance and Sewing		Boken Sewing Performance Stand	lard		Ø	Must meet requirement	s. ©	Must meet requirements.	Ø	Must meet requirements.	Ø	Must meet requirements.	
	Appearance and Sewing		JIS L 1930 / JIS L 0217			0	No defects.	0		0	No defects.	0	No defects.	Apply to items labeled with water washing.
	Change in Color	min. Grade	Wahing: according to care symbol	ls		0	4	0		0	4	0	4	
Ħ	Bleeding	min. Grade	Drying: according to care symbols			0	4 - 5	0		0		0		
ž	Puckering	min. Grade	Place priority to tumble.	-		0	3	0	3	0	3	0	3	
RESISTANCE	Bias Filling after Washing	max. %	p			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.
SIS					Woven fabric	0	- 3 to + 1 🔆	0	- 3 to + 1 🔆	0	- 4 to + 1 💥 *			*Exclude fabrics with recovery force in traverse direction (rib stitch, crepe, etc.) from pass/fail judgme
			Li	ine dry 1	Knitted Wale		- 4 to + 2	0	- 4 to + 2	0	- 6 to + 2		- 6 to + 2	Reject items with the hinderance to appearance or wearing.
Ş					fabric Cours	se	- 5 to + 2 💥	-10	- 5 to + 2 🔆	19	- 7 to + 2 🔆		- 7 to + 2 🔆	* Dimensional change for neck band length of dress shirt shall be within ± 1.5%.
WASHING	D: 1 10	%			Woven fabric	0	-5 to +2 💥	0	-5 to +2 🛠	0	-5 to +2* *			1
2	Dimensional Change		т	umble I	Knitted Warr	-	-8 to 0		-8 to 0		-8 to 0		-8 to 0	1
≥					fabric Wef	()	- 10 to 0 %	- 0	- 10 to 0 %	0	- 10 to 0%	-0	- 10 to 0%	1
				1	Knitted Wale	_	- 7 to + 2		- 7 to + 2		- 7 to + 2	+	- 7 to + 2	
			FI	lat dry	fabric Cours	- ()	- 7 to + 2	- 0	- 7 to + 2	0	- 8 to + 2 **	0	- 7 to + 2	4
. (Appearance Change				Cours	O	No defects.	0		0		0		Apply to fabrics with coating, flock finish, bonding finish and special prints (pigment,
	Appearance Change		JIS L 1930 Method C4M Line dry After 1st washi				4							rubber printing, transfer printing, foam printing, lame), etc.
	Change in Color	min. Grade		-		<u> </u>		0	4	0	4	0	4	rubber printing, transfer printing, toant printing, fame), etc.
THORY M	16		/ JIS L 0217 Method 103 Line c	dry A	After 5th washin	-	3	-	3	-	3	_	3	-
2	Bleeding	min. Grade				0	4 - 5	0		0	4 - 5	0	4 - 5	
	Appearance and Sewing		JIS L 1931-2 Method P2 JIS L 1931-3 Method F2			0	No defects.	0		0	No defects.	0		Apply to items labeled with dry cleaning. (Exclude items labeled with water washing from this testing.
Ε	Change in Color	min. Grade				0	4	0	4	0		0		
ž	Bleeding	min. Grade	/ Professional Dry Cleaning Method		ethod		4 - 5	0		0		0		
Ê	Puckering	min. Grade	Perchloroethylene or petroleum		lvent	0	3	0		0		0		
1St	Bias Filling after Washing	max. %				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.
RF	Dimensional Change	%			Woven fabric	0	±3 ※	0	±3 %	0	±3₩			*Exclude fabrics with recovery force in traverse direction (rib stitch, crepe, etc.) from pass/fail judgm
	-	/0			Knitted fabric	0	±3 ※	0	±3 %	0	±3₩	0	±3 ※	Reject items with the hinderance to appearance or wearing.
ç	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,
			JIS L 1931-2 Method P2		After 1st		4		4		4		4	rubber printing, transfer printing, foam printing, lame), etc.
5			JIS L 1931-3 Method F2		dry cleaning		4		4		4		4	
DRY CLEANING	Change in Color	min. Grade			After 3rd		_	-0		0	_	-0	_	
- 6			Perchloroethylene or petroleum	1	dry cleaning		3		3		3		3	
ĥ	⊻ Bleeding	min. Grade	based solvent		. 0	0	4 - 5	0	4 - 5	0	4 - 5	0	4 - 5	1
	Appearance and Sewing	June Stude				0	No abnormality	0	No abnormality	0	No abnormality	0	No abnormality	Apply to items labeled with "wet cleaning". (Omit items labeled with "water washing".)
(T)	Change in Color	min. Grade				0	4	0	4	0	4	0	4	
NCF	Bleeding	min. Grade	JIS L 1931-4 according to care sy	mbols		0	4 - 5	0		0		0		1
TAT	Puckering	min. Grade		,		0	3	0		0		0	3	4
SIS	Garment twist after Washing					0	5 (3)	0		0	5 (3)	0	5 (3)	Value in () applies to items with slit, front slit or pattern in vertical direction.
RF	Garment twist after wasning	max. %			Woven fabric		5 (3) ±3%	0		0		-	5 (3)	 Waue in () applies to items with shift, if one shift of patient in vertical direction. ※Exclude fabrics with recovery force in traverse direction (rib stitch, crepe, etc.) from pass/fail judgn
	Dimensional change	%			Knitted fabric		±3% ±3%	0	±3% ±3%	0	±3% ±3%	0		Reject items with the hinderance to appearance or wearing.
μ	Annoormaa		D 1 H01 1057 0 1		ranned faufic			0				0		Reject terns with the influerance to appearance of weating.
JNV.	Appearance		Based on JIS L 1057.8.1			\square	No abnormality		No abnormality		No abnormality		No abnormality	-
D PSIST	Change in color	min. Grade	Testing temperature is shown in ca /JIS L 0217 Method 301-303	are symbo	JIS.		4		4		4		4	
ch iktron's clothine	Requirements for Cords and attached to children's clothing		ЛS L 4129						Shall be comformed		Shall be comformed		Shall be comformed	Apply to children's clothing (younger and elder)
	CATEGORY			ITEM			1		CATEGORY					ITEM
[ep'	's wear	Coats S	uits, Jackets, Pants, etc.	11 CIVI				<u> </u>	CATEGORI	р	tabias' waar (Outar assessment	e Inte	rmadiata cormante Undorco	rments, etc.), Small products (Towels, Bibs, Mittens, Hosiery, etc.)
	s wear en's and Children's wear			to ata				Babie	s' wear and Small products		labies' wear (Outer garment lote: Swimming wear for ba			micins, etc.), Sinaii products (1 oweis, Bibs, Mittens, Hosiery, etc.)
	s and blouses		uits, Jackets, Dresses, Skirts, Pant hirts, Dress shirts, Blouses, Sports		olo shirt- T	bint- T	Peoining shint+-					-		Clause Cons/Hots ato
				s snirts, P	oio snirts, 1-s	mrts, I	ranning snirts, etc.	Towe	ls and Small products		owels, Bath towels, Handkerchiefs, Scarves, Neckties, Hosiery, Gloves, Caps/Hats, etc. edding (Bed sheets and spreads, Blankets, Summer quilts, Futons, Bedding for babies, etc.),			
wea			sweaters, Cardigans, Vests, etc.											

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In principle, test all colors for colorfastness and formaldehyde, and test one color for each style number, design and material for fiber content, physical property and dimensional change and carry out garment testing. (Formaldehyde is excluded.) White and gray fabrics may be excluded from the color fastness test unless the fabric has a possibility of color and/or feeling change (hand).

	TEST ITEM		astness test unless the fabric has TEST M		•					REQUIR	REME	NT			Remarks
				IETHOD			Night wear	r and Undergarmen	its Ba	bies wear and Small products	Т	owels and Small products		Bedding and Furnishings	
iber C	ontent (Fiber Identification)		JIS L 1030		-	0	0		Ø		O		Ø		Apply to items required by law. Conduct fiber identification when it is suitable. Exclude from judgment of past
	Light	min. Grade	JIS L 0842 Exposure Method 3			0	D	3 *	Ø	3 *	©	3 *	ø	3 <curtain 4=""></curtain>	Exclude yellowing due to fluorescent brightener from judgment of pass or fail. * Excclude Underwear, lingerie, foundation garments and hosiery from testing.
					Change in co	lor		4		4		4		4	Apply to itemss labeled with "water washing" or "wet cleaning".
	Washing	min. Grade	JIS L 0844 No. A-1 or A-2		Staining	C	0	3 [4]	0	3 [4]	0	3 [4]	0	O 3 [4]	Exclude change in color due to fluorescent optical brightener from pass/fail judgment. Value in [] applies to fabrics with assorted colors of deep and pale shades.
					Bleeding	_		4 - 5		4 - 5		4 - 5		4 - 5	[Reference] Liquid contamination: ≥ Grade 3
s					Change in co	lor		4		4		4		4	* Apply to bedding.
FASTNESS	Perspiration	min. Grade	JIS L 0848 Acid solution and Alkali soluti		Staining	0	0	3 (2 - 3) [4]	0	3 (2 - 3) [4]	0	3 (2 - 3) [4]	-0	3 (2 - 3) [4]	Value in () applies to fabrics with 50 % or more wool and silk.
ST			Acid solution and Alkan soluti	1011	Bleeding			4 - 5		4 - 5		4 - 5		4 - 5	Value in [] applies to fabrics with assorted colors of deep and pale shades.
	Rubbing	min Grada	JIS L 0849	Type II	Dry	C	ລ	4 (3 - 4)	6	4 (3 - 4) ≪3≫	0	4 (3 - 4) ≪3≫	6	4 (3 - 4) ≪3≫	Value in () applies to fabrics with special prints, raising or deep shades.
g	Rubbilig	min. Orade	JIS E 0049	Type II	Wet		9	2 - 3 (2)	•	2 - 3 (2) ≪1-2≫		2 - 3 (2) ≪1-2≫		2 - 3 (2) ≪1-2≫	Value in $\ll \gg$ applies to denim, velveteen and corduroy.
COLOR			JIS L 0860		Change in co	lor		4		4		4		4	Apply to dry cleaning instructions.
0	Dry Cleaning	min. Grade	Method A-1 (Perchloroethylen	ne)	Staining	C	b	3 - 4 [4]	0	3 - 4 [4]	0	3 - 4 [4]	0	3 - 4 [4]	Value in [] applies to fabrics with assorted colors of deep and pale shades.
	,		or Method B-1 (Petroleum-base)		-		-								[Reference] Liquid contamination: \geq Grade 3
	0		JIS L 0889	,	Bleeding			4 - 5	_	4 - 5		4 - 5		4 - 5	A make an analytic statement
	Oxygen bleach		Daimaru Method (MethodI)		Change in co Staining	lor	~	4	0	4	0	4 - 5	0	4	Apply to water washing items. Apply to fabrics with assorted colors of deep and pale shades.
	Bleeding	min. Grade	JIS L 0888 Method B		Stanning			4 - 5	0				0	4 - 5	Apply to sportswear and caps/hats with 50% or more cellulosic fiber.
	Perspiration and Light	min. Grade	ATTS perspiration solution (acid)	l∠alkaline)	Change in co	lor					0	3			Apply to sportswear and caps/nats with 50% or more centrosic liber.
	Tensile Strength	min. N	JIS L 1096 Method A (Strip M					200 (150)		150	0	≪120≫	0	150 ≪120≫	Apply to woven fabrics. Value in () applies to thin fabrics. Value in $\ll \gg$ applies to blankets and town
	Tear Strength	min. N	JIS L 1096 Method D (Pendu	-	od)	C	C	10(7)	0		0	10 (6) *	0		Apply to woven fabrics. Value in () applies to thin fabrics. * Towel clothes are excluded from testin
	Bursting Strength	min. kPa	JIS L 1096 Method A (Muller		-	0		400 (300)	0			400 (300)	0		Apply to Knitted fabrics. Value in () applies to thin fabrics.
	Slippage Resistance	max. mm	JIS L 1096 Method B (Seam	51	· · · · · · · · · · · · · · · · · · ·	'	2	3	Ŭ	3		3	Ť	3	Apply to woven fabrics. Load applied: Thick fabrics117.7N, Thin fabrics49.0N
	Pilling	min. Grade	JIS L 1076 Method A (ICI Ty					3 (2.5)		3				3 (2.5)	Woven fabrics: 10 hours, Knitted fabrics: 5 hours Value in () applies to raised and woolen fabrics.
	0	min. %	JIS L 1075 Method A (Univer	~					0	50	0	50	0		Apply to velveteen and corduroy.
	Pile Retention	min. N	JIS L 1075 Method B (Tensile			d)			-		0	1	0		Apply to towel cloth (loop pile).
_	Water Repellency		JIS L 1092 Spray Method	IS L 1092 Spray Method Original/A or dry cl					0	2/2	-				Apply to water repellency disclosures.
PROPERTY	Water resistance	mm or over	JIS L 1092 Hydrostatic press Method A(Low hydraulic pres		1					200				300	Apply to rainwears, diaper cover or bedding such as waterproof sheets.
PRO	41 D 1975	max.	HOL 100C M d. 14 (F	T 14	d D					3			0	3	Apply to feathers.
	Air Permeability	cm3/cm2 · S	JIS L 1096 Method A (Frazie	er Type Met	thod)					5				5	Apply to padding such as wool and synthetic fiber.
PHYSICAL	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.
Ě	Fluff Loss	max. %	Boken Method BQE A 013								0	0.2	0	0.2	Apply to towel cloth, bath mats and washable carpets.
E								No (n < 10 cm)		No (n < 10 cm)					Apply to raised items Pass
	Surface Flash		JIS L 1917 Flame spread			nd C		$(10 \text{cm} \le n \le 20 \text{cm})$		Yes $(10 \text{cm} \le n \le 20 \text{cm})$					with cellulosic fiber Caution needed (Fail) Need warnings.
							Yes (Take	e 1 second or more to 20		Yes (Take 1 second or more to 20cm)					of 50% or more. Caution needed (Fail) Need warnings.
	Fluff Adherence	min. Grade	Boken Method BQE B 014			C	2	3	0	3		3	0		Apply to fabrics with raising, chenille and animal fiber blended.
	Abrasion Resistance	min. Cycle	JIS L 1096 Method F-1 (Unif	torm Type N	Method)						0	500			Apply to hosiery.
	Water Absorbency	max. Second	JIS L 1907 Sedimentation Me	ethod							0	60	0	60	Apply to bath mats and towels with pile or loop pile. [Reference] For materials over 60 seconds, report data by Method 103. (1 wash, Line dry)
		max. Second	JIS L 1907 Instillation Metho	od							0	10	0	10	Apply to towels and bath mats without pile or loop pile. [Reference] For materials over 10 seconds, report data of Method 103. (1 wash, Line dry)
			JIS L 1930 / JIS L 0217		Woven fabr	ic (0	- 5 to + 2 🔆	0	- 4 to + 2 💥	0	- 5 to + 2 🔆	0	- 5 to + 2	Apply to items labeled with water washing.
			Wahing:	Line dry	Knitted W	ale		- 6 to + 2	0	- 6 to + 2	0	- 6 to + 2	0	- 6 to + 2	*Exclude fabrics with recovery force in traverse direction (rib stitch, crepe, etc.) from pass/fail judgm
			according to care symbols		fabric Co			- 8 to + 2 🔆	0	- 8 to + 2 🔆		- 8 to + 2💥		- 8 to + 2	Reject items with noticeable appearance change.
	Home Laundering	04	When not determined, Method C4M / Method 103		Woven fabri	ic 🤇	0	-6 to +2 ※	0	-6 to +2 💥	0	-6 to +2 %	0	-6 to +2	
Ę.	Method	70	Drying:	Tumble	Knitted Wa	arp	3	-8 to 0	0	-8 to 0	0	-8 to 0	0	-8 to 0	
CHANGE			according to care symbols		fabric W	eft	9	- 10 to 0 %	Ŭ	- 10 to 0 %		- 10 to 0 %	0	- 10 to 0	
			When not determined,	Flat dry	Knitted W		a	- 7 to + 2	0	- 7 to + 2	0	- 7 to + 2		- 7 to + 2	
AL			Place priority to tumble.	1 and any	fabric Cor	urse	-	- 8 to + 2 🔆		- 8 to + 2 🔆		- 8 to + 2 💥		- 8 to + 2	
IDICK	Dry Cleaning	%	JIS L 1096 Method J-1 or J-2	,	Woven fabr	ic C	2	±3※	0	±3※	0	±3 ※	0	±3	Apply to items labeled with dry cleaning. (Exclude items labeled with water washing from this testing, % Exclude fabrics with recovery force in traverse direction (rib stitch, crepe, etc.) from pass/fail judgn
DIMENSIONAL	Method	/0	515 E 1070 Method 5-1 01 5-2	ic C		±3 ※	0	±3※	0	±3 ※	0	±3	Reject items with noticeable appearance change.		
-					Woven fabri	ic C	D	±3 ※	0	±3 ※	0	±3 ※	0	±3	Apply to items labeled with "wet". (Omit items labeled with "water washing".) %Exclude fabrics with recovery force in traverse direction (rib stitch, erepe, etc.) from pass/fail judgm
	Wet Cleaning Method %		JIS L 1931-4 Knitted fabric			_				0		0		Reject items with noticeable appearance change.)	

· " [Reference] " shall exclude from judgment of pass or fail.

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©: 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.)

		TROP INC.			THEFT						REQUI	REME	ENT			- · ·	
		TEST ITEM		TEST ME	STHOD			Nig	ht wear and Undergarments	Ba	bies wear and Small products		Towels and Small products		Bedding and Furnishings	Remarks	
			max. A-Ao			Bab					0.05				0.05	Apply to items regulated by law. Test all colors. Test all parts separately.	
FOR	RMAI	LDEHYDE	$max.\ \mu g/g$	Ministry of Health and Welfare Ordinance No. 34		Бас	nes				16			70	16]	
			max. µg/g	Wentale Ordinance 140: 54		Oth	ers	Ô	75			0	75				
			μg/g	<textile products=""></textile>												Apply to items regulated by law Certain aromatic amines 24 substances	
Certain aromatic amines (mg/kg)		The revision of Ordinance of the			ц,	0	30	0	30	0	30	0	30	<leather products=""></leather>			
			or lower	Labour and Welfare No. 34 or J	JIS L 1940	0-1&-3、		-		-		-		-		The revision of Ordinance of the Ministry of Health, Labour and Welfare No. 34 or ISO17234-1&-2	
				ISO24362-1&-3													
ŋ		Fiber Content		Household Goods Quality Labe				0	Must be appropriate.	0	Must be appropriate.	0	Must be appropriate.	0		Exclude size labeling from judgment of pass / fail	
LABELING		Care Instructions Size		Household Goods Quality Labe JIS, etc.	eling Act			0	Must be appropriate.	0	Must be appropriate.	0	Must be appropriate.	0		4	
NBE	-	3126		Act against Unjustifiable Premi	inne			0	Must be appropriate.	0	Must be appropriate.	U	Must be appropriate.	0	Must be appropriate.	-	
Ľ	i (Country of Origin		and Misleading Representations				O	Must be appropriate.	O	Must be appropriate.	O	Must be appropriate.	O	Must be appropriate.		
÷	8	Appearance and															
APPE		Sewing		Boken Sewing Performance Sta	andard			O	Must meet requirements.	O	Must meet requirements.	Ø	Must meet requirements.	Ø	Must meet requirements.		
	1	Appearance and Sewing						O	No defects.	0	No defects.	0	No defects.	0	No defects.	Apply to items labeled with water washing.	
		Change in Color	min. Grade	JIS L 1930 / JIS L 0217				0	4	0	4	0	4	0			
ш	1	Bleeding	min. Grade	Wahing: according to care symb Drying: according to care symb	ing: according to care symbols		O	4 - 5	0	4 - 5	0	4 - 5	0	4 - 5			
NC	1	Puckering	min. Grade	lace priority to tumble.				O	3	0	3	0	3	0			
RESISTANCE	1	Bias Filling after Washing	max. %					O	7 (5)	0	7 (5)	0	7 (5)	0		Value in () applies to slit, front opening, pattern in a longitudinal direction, etc.	
SISE						Woven		O	- 5 to + 2 🔆	0	- 4 to + 2 🔆	0	- 5 to + 2 🔆	0		*Exclude fabrics with recovery force in traverse direction (rib stitch, crepe, etc.) from pass/fail judgmen	
					Line dry			0	- 6 to + 2	0	- 6 to + 2	0	- 6 to + 2		- 6 to + 2	Reject items with the hinderance to appearance or wearing.	
NI						fabric	Course	Ŭ	- 8 to + 2 🔆	Ū	- 8 to + 2 💥	Ŭ	- 8 to + 2 💥		- 8 to + 2		
WASHING	1	Dimensional Change	%			Woven	-	0	-6 to $+2$ %	0	- 6 to + 2 ×	0	- 6 to + 2 ×	0	- 6 to + 2	-	
W/					Tumble	Knitted fabric	Warp	©_	- 8 to 0	0	- 8 to 0	0	- 8 to 0	0	- 8 to 0	-	
				-		Knitted	Weft Wale		- 10 to 0 % - 7 to + 2		- 10 to 0 % - 7 to + 2		- 10 to 0 %	_	- 10 to 0 - 7 to + 2	-	
					Flat dry	fabric	Course	©	- / to + 2 - 8 to + 2 %	0	- / to + 2 - 8 to + 2 %	0	- 7 to + 2 - 8 to + 2 %	0	- 7 to + 2 - 8 to + 2	-	
1 77	0	Appearance Change				labric	Course	0	No defects.	0	No defects.	0	No defects.	0		Apply to fabrics with coating, flock finish, bonding finish and special prints (pigment, rubber printing, tra	
- DN	4			US I 1930 Method C4M Line	S.I. 1930 Method C4M Line dry	L 1930 Method C4M Line dry		washing		4		4		4		4	printing, foam printing, lame), etc.
S HS	ISI	Change in Color	min. Grade	/ JIS L 0217 Method 103 Lin		After 5th	-	0	3	0	3	0	3	-0	3	r	
Z È	RES	Bleeding	min. Grade		-		9	0	4 - 5	0	4 - 5	0	4 - 5	0			
	_	Appearance and Sewing		JIS L 1931-2 Method P2				0	No defects.	0	No defects.	0	No defects.	0		Apply to items labeled with dry cleaning. (Exclude items labeled with water from this testing.)	
CLEANING	щ	Change in Color	min. Grade	JIS L 1931-2 Method P2 JIS L 1931-3 Method F2					0	4	0	4	0	4	0		
NA I	N I	Bleeding	min. Grade	/Professional Dry Cleaning M	fethod			0	4 - 5	0	4 - 5	0	4 - 5	0			
Ë	TZ/	Puckering	min. Grade	Perchloroethylene or petroleu	ım based			0	3	0	3	0	3	0	3		
	ESI	Bias Filling after Washing	max. %	solvent				0	5 (3)	0	5 (3)	0	5 (3)	0		Value in () applies to slit, front opening, pattern in a longitudinal direction, etc.	
DRY	~	Dimensional Change	%			Woven		0	± 3 💥	0	± 3 ※	0	± 3 ※	0		*Exclude fabrics with recovery force in traverse direction (rib stitch, crepe, etc.) from pass/fail judgmen	
		U	70			Knitted	fabric	0	± 3 %	0	± 3 ※	0	± 3 %	0		Reject items with the hinderance to appearance or wearing.	
CLEANING	Ц	Appearance Change		JIS L 1931-2 Method P2				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,	
N	NC			JIS L 1931-3 Method F2		After			4		4		4		4	rubber printing, transfer printing, foam printing, lame), etc.	
ΕË	STA	Change in Color	min. Grade			dry cle	-	0		0		0		-0		4	
				Perchloroethylene or petroleu	ım	After dry cle			3		3		3		3		
DRY	~	Bleeding	min. Grade	based solvent		uly ele	uning	0	4 - 5	0	4 - 5	0	4 - 5	0	4 - 5	-	
	-	Appearance and sewing	Grade					0	No abnormality	0	No abnormality	0	No abnormality	0		Apply to items labeled with "wet cleaning". (Omit items labeled with "water washing".)	
S I			min. Grade					0	4	0	4	0	4	Ō			
AN		Bleeding	min. Grade	JIS L 1931-4 as shown in care	symbols.			Õ	4 - 5	0	4 - 5	0	4 - 5	Ō			
Ë	< ⊢	Puckering	min. Grade					0	3	0	3	0	3	0	3		
WET CLEANING	ESI	Garment twist after washing	% or lower					0	5 (3)	0	5 (3)	0	5 (3)	0	5 (3)	() applis to items with slit, front slit or pattern in vertical direction.	
WE	۲ ^۲	Dimensionak change	within () %			Woven		0	±3₩	0	±3 ※	0	±3 ※	0		*Exclude fabrics with recovery force in traverse direction (rib stitch, crepe, etc.) from pass/fail judgment	
		č				Knitted	fabric	0	±3 ※	0	±3 ※	0	±3 ※	0		Reject items with the hinderance to appearance or wearing)	
ING	ANCE	Appearance		Based on JIS L 1057.8.1				\square	No abnormality		No abnormality		No abnormality		No abnormality	4	
IRONING	SIST	Change in color	min. Grade	Testing temperature is shown in /JIS L 0217 Method 301-303		nbols.			4		4		4		4		
_	M RE			/ JIS L 021/ Method 301-303	3											Apply to shilden's alothing (younger and alder)	
ty of		Requirements for Cords and		JIS L 4129					Shall be comformed		Shall be comformed					Apply to children's clothing (younger and elder)	
Safe	il deen's	attached to children's clothin	g	JIS L 4129					shall be comformed		shall be conformed						
14	-6											1 1					

CATEGORY	ITEM		CATEGORY	ITEM					
Men's wear	Coats, Suits, Jackets, Pants, etc.] [Babies' wear and Small products	Babies' wear (Outer garments, Intermediate garments, Undergarments, etc.), Small products (Towels, Bibs, Mittens, Hosiery, etc.)					
Women's and Children's wear	Coats, Suits, Jackets, Dresses, Skirts, Pants, etc.	1	Bables wear and Small products	Note: Swimming wear for babies apply to "Swimming Wear".					
Shirts and blouses	Casual shirts, Dress shirts, Blouses, Sports shirts, Polo shirts, T-shirts, Training shirts, etc.	1 [Towels and Small products	Towels, Bath towels, Handkerchiefs, Scarves, Neckties, Hosiery, Gloves, Caps/Hats, etc.					
Sweaters	Knitted sweaters, Cardigans, Vests, etc.		Bedding and Furnishings	Bedding (Bed sheets and spreads, Blankets, Summer quilts, Futons, Bedding for babies, etc.),					
Night wear and Undergarments	Pajamas, Negligees, Undergarments, Lingerie, Foundation garments, etc.		bedding and Furnishings	Furnishings (Curtains, Carpets, Rugs, Bath mats, etc.)					