

General Performance Requirements for Textile Fabrics(KAKEN Standards) 2025

End Use				1	2	3	4	5	6	7	8	9	10	11	12	13	15	16	17	18	19	20	21-3	Additional Notes		
Test Items				Jackets & Coats	Bottoms	Shirts (woven)	Shirts (knit)	Sweaters	Nightwear	Under-wears	Swimwears	Caps,Hats	Neckties	Mufflers	Handkerchiefs,Towels	Socks & Gloves	Leathers & Furs	Curtains	Sheets & Covers	Floor coverings	Bedding Goods	Linings	Accessories (laces, fabrics)			
Colorfastness (class,min.)	Light	JIS L 0842	Color Change	4 (3)	4 (3)	3	3	3	3	3	3	4 (3)	3	3	3	3	4 (3)	4 (3)	3	3	3	3	3	() : pale colors etc.		
	Washing	JIS L 0844 Method A-1 for Wool,Silk orAcetate, Method A-2 for all others	Color Change	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	Applied for washable products Staining should be class 4 or more for products of dark and pale colors assorted (excluding genuine leather and natural fur).	
			Staining	3 (2-3)	3 (2-3)	3 (2-3)	3 (2-3)	3 (2-3)	3 (2-3)	3 (2-3)	3 (2-3)	3 (2-3)	3 (2-3)	3 (2-3)	3 (2-3)	3 (2-3)	3 (2-3)	3 (2-3)	3 (2-3)	3 (2-3)	3 (2-3)	3 (2-3)	3 (2-3)	() : blended more than 50% of wool or silk		
	Perspiration	JIS L 0848	Color Change	4	4	4	4	4	4	4	4	4	4	4	4	4	4					4	4	4	Staining should be class 4 or more for products of dark and pale colors assorted (excluding genuine leather and natural fur).	
			Staining	3 (2-3)	3 (2-3)	3 (2-3)	3 (2-3)	3 (2-3)	3 (2-3)	3 (2-3)	3 (2-3)	3 (2-3)	3 (2-3)	3 (2-3)	3 (2-3)	3 (2-3)			3 (2-3)			3 (2-3)	3 (2-3)	3 (2-3)	() : blended more than 50% of wool or silk	
	Rubbing	JIS L 0849 Type II	Dry	3-4 (3)	3-4 (3)	3-4 (3)	3-4 (3)	3-4 (3)	3-4 (3)	3-4 (3)	3-4 (3)	3-4 (3)	3-4 (3)	3-4 (3)	3-4 (3)	3-4 (3)	3-4 (3)	3-4 (3)	3-4 (3)	3-4 (3)	3-4 (3)	3-4 (3)	3-4 (3)	3-4 (3)	3-4 (3)	() : special print, denim, velveteen, corduroy etc.
			Wet	2 (1-2)	2 (1-2)	2 (1-2)	2 (1-2)	2 (1-2)	2 (1-2)	2 (1-2)	2 (1-2)	2 (1-2)	2 (1-2)	2 (1-2)	2 (1-2)	2 (1-2)	2 (1-2)	2 (1-2)	2 (1-2)	2 (1-2)	2 (1-2)	2 (1-2)	2 (1-2)	2 (1-2)	2 (1-2)	
	Drycleaning	JIS L 0860 Method A-1 Method B-2	Color Change	4	4	4	4	4	4	4		4	4	4	4	4	4	4	4	4	4	4	4	4	4	Applied for drycleanable products Staining should be class 4 or more for products of dark and pale colors assorted
			Staining	3	3	3	3	3	3	3		3	3	3	3	3	3	3	3	3	3	3	3	3	3	
	Bleeding	DAIMARU Method	Staining	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5		4-5	4-5	4-5	4-5	4-5	4-5	4-5	Applied for washable products of dark and pale colors assorted
Oxygen bleach	JIS L 0889	Color Change	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	Applied for washable products	
Change in dimension (%within)	Washing	JIS L 1930 As per the handling label ★	Woven fabric	±3	±3	±3[±5]			±5	±5(±3)	±5	±3	±3	±5(±3)	±5		±3	±3	±4[±3]	±4	±4	±3	±3		Warp knitting is subject to the standards for woven fabrics (excluding mufflers).	
			Knitted fabric (Wale)	±3	±3		+3~-6	+3~-6	+3~-6	+3~-6[±3]	+3~-6	+3~-6	±3	+3~-6	+3~-6		±3		+3~-6	±4	±4	±3	+3~-6	[] : casual shirts [] : lingerie, foundation		
			Knitted fabric (Course)	+3~-6	+3~-6		+3~-6	+3~-6	+3~-6	+3~-6[±3]	+3~-6	+3~-6	+3~-6	+3~-6	+3~-6		±3		+3~-6		±4	±4	±3	+3~-6	[] : pouch () : Warp knitting	
	Drycleaning	JIS L 1096 Method J-1, Tumble dry, Commercial dry cleaning		±3	±3	±3	±3	±3	±3			±3	±3	±3			±3	±3	±3	±3	±3	±3	±3	±3	Applied for drycleanable commodities	
			Woven fabric	±3	±3	±3[±5]			±5			±3	±3	±5(±3)			±3	±3	±4[±3]	±4	±4	±3	±3	±3	±3	Warp knitting is subject to the standards for woven fabrics (excluding mufflers).
	Wetcleaning	JIS L1931-4	Knitted fabric (Wale)	±3	±3		+3~-6	+3~-6	+3~-6			+3~-6	±3	+3~-6			±3		+3~-6	±4	±4	±3	+3~-6	[] : casual shirts [] : pouch () : Warp knitting		
Knitted fabric (Course)			+3~-6	+3~-6		+3~-6	+3~-6	+3~-6			+3~-6	+3~-6	+3~-6			±3		+3~-6		±4	±4	±3	+3~-6			
Tearing Strength <N,min.>	JIS L 1096 Method D		10 (7)	10 (7)	7			7	7		10 (7)	10 (7)	10 (7)	10 (7)	7	7	10	10 (7)	10 (7)			10 (7)	7		() : thin woven fabrics	
Bursting Strength <kPa,min.>	JIS L 1096 Method A		400 (300)	400 (300)		400 (300)	400 (300)	300	300		400 (300)	400 (300)	400 (300)	400 (300)	300	300		300	300			300	300		() : thin knit fabrics Laces should be excluded from judgment	
Resistance to Seam Slippage <mm,within>	JIS L 1096 seam slip Method B		3	3	3			3	3	3	3	3	3					3			3	3			Load of 49.0 N is applied for thin fabrics Load of 117.7N is applied for thick fabrics	
Pilling <class,min.>	JIS L 1076 Method A		3 (2)	3 (2)	3 (2)	3 (2)	3 (2)	3 (2)	3 (2)	3 (2)	3 (2)	3 (2)	3 (2)	3 (2)	3 (2)	3 (2)	3 (2)	3 (2)	3 (2)			3 (2)	3 (2)		() : synthetic fibers, raised fabrics and animal fibers expect wool	
Snag <class,min.>	JIS L 1058 Method A		3	3	3	3	3					3	3	3									3		Applied for woven fabrics and knitted fabrics made of filament yarns	
	JIS L 1058 Method D-3										3															
Pile Retention <class,min.,mN,min.>	KAKEN Method		3-4(2)	3-4(2)	3-4(2)	(2)			3-4(2)	3-4(2)				3-4(2)									3-4(2)		() : knitted velour	
	JIS L 1075 Method B								500						500					500	500				JIS L 1075, Method B, applies to towel products (those with loop pile)	
Fuzz Retention <class,min.>	TAPE Method		3	3	3	3	3	3	3		3	3	3	3	3	3			3			3	3		Applied for raised or animal fibers (angora) products	
Certain aromatic amine < μg/g, max.>	Ministerial Ordinance No. 34, Hazardous substance test methods		30	30	30	30	30	30	30	30	30	30	30	30	30	30	30		30	30	30	30	30	30	Applied for items specified in the Ministry of Health and Welfare Ordinance	
Free Formaldehyde content(max.)	Ministerial Ordinance No. 34, Hazardous substance test methods	Infant Others	A-A ₀ 0.05	A-A ₀ 0.05	A-A ₀ 0.05	A-A ₀ 0.05	A-A ₀ 0.05	A-A ₀ 0.05	A-A ₀ 0.05	A-A ₀ 0.05	A-A ₀ 0.05	A-A ₀ 0.05	A-A ₀ 0.05	A-A ₀ 0.05	A-A ₀ 0.05	A-A ₀ 0.05	A-A ₀ 0.05					A-A ₀ 0.05	A-A ₀ 0.05	A-A ₀ 0.05	Applied for items specified in the Ministry of Health and Welfare Ordinance	

※The above Table is an excerpt from KAKEN Standards. Essential test items can be decided on its material,end-use,type of garments,etc.

※This standard might change without a previous notice. Please confirm the latest version in our homepage or nearest our office etc.

★When the handling label is over 140, the test is conducted after talking.

