

QTEC Quality Standards (a selection)

2012.05

Test Item			use		Outer wear		Inner wear		Under wear		Remark
			Woven	Knit	Woven	Knit	Woven	Knit			
Color Fastness	Light	JIS L 0842 No.3 exposure method	Color change	4	4	3	3	3	3	(1)Pale : More than Grade 3 (2)In case of white area : exclude it from Judgement	
	Washing	JIS L 0844 A-2 (Method A-1 for wool, silk and acetate)	Color change	4	4	4	4	4	4	(1)Combination of dark & pale : Staining Grade 4 (2)Denim : Color change 3-4 and Staining Grade 2-3	
			Staining	3	3	3	3	3	3		
	Perspiration	JIS L 0848	Color change	4	4	4	4	4	4	(1)Combination of dark & pale : Staining Grade 3-4 (2)Wool,Silk : Staining Grade 2-3	
			Staining	3	3	3	3	3	3		
	Rubbing	JIS L 0849 Type	Dry	3-4	3-4	3-4	3-4	3-4	3-4	(1)In cellulose fiber (dark color) : Staining (Wet) Grade 2 (2)Denim : Staining (Dry) Grade 3 , (Wet) Grade 1-2	
Wet			2-3	2-3	2-3	2-3	2-3	2-3			
Drycleaning	JIS L 0860 Method A-1, B-1	Color change	4	4	4	4	4	4	Combination of dark & pale : Staining Grade 4		
		Staining	3	3	3	3	3	3			
Physics • Safety	Tear Strength	JIS L 1096 Pendulum method	N	10	—	7	—	7	—	To be used for woven fabrics	
	Burst Strength	JIS L 1096 Mulen mthod	kPa	—	500	—	400	—	300	To be used for Knitted fabrics	
	Pilling	JIS L 1076 ICI type method	Grade	3	3	3	3	3	3	(1)Blend with synthetic fiber : Grade 2 (2)Fuzzy cloth : Exclude if from judgement	
	Free Formaldehyde	Ordeance of the Ministry of Welfare	Babies and infants A-A ₀ Less than 0.05						Babies and infants , Under wear : Ordinance of the Ministry of Welfare		
			μg/g	Less than 1000	Less than 300	Less than 75	Outer wear , Inner wear : Notification of MITI				
Product After Washing	Dimensional Change	Washing	Tumble drying	±3%	-5% ~0%	±4%	-8% ~0%	±5%	-8% ~0%	For those which were failed in the dimensional change test after tumble drying , judge it after retest using hang drying. Printed:5times washing	
			Hang drying or Frat drying	±3%	-5% ~+2%	±4%	-6% ~+5%	±5%	-8% ~+5%		
	Drycleaning	±3%	*1) ±2%	±3%	length -5~+3% Width -6~+5%	±3%	length -5~+3% Width -6~+5%	*1) Men's wear			
Spirality	Woven Fabric			3%							
	Sweater			5%							
	Others			7%*							

Dimensional Change : [-] shrinkage , [+] stretch.

10N is equal to about 1kgf , 100kPa is equal to about 1kgf/cm².