

Testing Report



Test Items		Methods of Testing	Colour No.	1 HBM1	2 HBM7	3 HBM36	4 HBM8	5 HBM39	6 HBM52	
Colour Fastness	Ultraviolet carbon arc lamp light (Grade)	JIS L 0842	change in colour	4	3-4	>4	>4	>4	(3-4)	
	Washing and Laundering (Grade)	JIS L 0844 Method A-2	change in colour	4-5	4-5	4-5	4-5	4-5	4-5	
			staining	5 5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	
			solution staining	4-5	4-5	4-5	4-5	4-5	4-5	
	Perspiration (Grade)	JIS L 0848	acid	change in colour	4-5	4-5	4-5	4-5	4-5	4-5
			alkali	staining	5 5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5
	Rubbing (Grade)	JIS L 0849 Type II	dry	5	4-5	4-5	4-5	4-5	4-5	
			wet	5	4-5	4-5	4-5	3	3	
	Water (Grade)	JIS L 0846	change in colour	4-5	4-5	4-5	4-5	4-5	4-5	
			staining	5 5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	
Dry cleaning (Grade)	JIS L 0860 Method A-1	change in colour	4-5	4-5	4-5	4-5	4-5	4-5		
		staining	5	4-5	4-5	4-5	4-5	4-5		
		solution staining	5	4-5	4-5	4-5	4-5	4-5		
Bleeding (Grade)	DAIMARU Method I	staining								
Pilling (Grade)	ISO 12945-1	5hours								
Test Items		Methods of Testing	Colour No.	7 HBM5	8 HBM6	9 HBM33	10 HBM34	11 HBM35	12 HBM37	
Colour Fastness	Ultraviolet carbon arc lamp light (Grade)	JIS L 0842	change in colour	>4	(<3)	>4	>4	4	>4	
	Washing and Laundering (Grade)	JIS L 0844 Method A-2	change in colour	4-5	4-5	4-5	4-5	4-5	4-5	
			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	
			solution staining	4-5	5	4-5	4-5	4-5	4-5	
	Perspiration (Grade)	JIS L 0848	acid	change in colour	4-5	4-5	4-5	4-5	4-5	4-5
			alkali	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
	Rubbing (Grade)	JIS L 0849 Type II	dry	4-5	4-5	4-5	4-5	4-5	4-5	
			wet	(1-2)	4-5	4-5	4-5	3-4	4	
	Water (Grade)	JIS L 0846	change in colour	4-5	4-5	4-5	4-5	4-5	4-5	
			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	
Dry cleaning (Grade)	JIS L 0860 Method A-1	change in colour	4-5	4-5	4-5	4-5	4-5	4-5		
		staining	4-5	4-5	4-5	4-5	4-5	4-5		
		solution staining	4-5	4-5	5	4-5	4-5	4-5		
Bleeding (Grade)	DAIMARU Method I	staining								
Pilling (Grade)	ISO 12945-1	5hours								

() Standard Unattained

SAMPLE	1 off white	2 L.gray	3 greige	4 M.gray	5 steel gray	6 dark gray
	7 black	8 pearl beige	9 L.beige	10 M.beige	11 khaki beige	12 mocha

Applicant	MONTELUCE/MARUYASU Corporation	
	OKUBO	
	3-21-5,Ryogoku, Sumida-Ku, Tokyo, Japan	
TEL: +81-3-3633-5561		
FAX: +81-3-3633-5531		
Article	1/4	Balloon Cotton Balloon Cotton5 Balloon Cotton7 AX0012
		42 Pieces
	COTTON	50%
	ACRYLIC	50%

Laboratory	THE JAPAN COTTON & STAPLE FIBER FABRIC INSPECTING INSTITUTE FOUNDATION	
	1-10-5, Komagome, Toshima-ku, Tokyo, Japan	
	TEL 03-3943-3174 FAX 03-3943-3183	
	Date	2021/3/12
	Test No.	TO-2101643-④
	Inspection House	Tokyo Test Center
	Inspector	S. Sato
Adjacent Fabric	Cotton / Nylon (multifiber fabric)	

Quantitative analysis of fibre mixtures (%)	
JIS L 1030-2	

Testing Report



Colour Fastness	Test Items	Methods of Testing	Colour No.	13 HBM38	14 HBM46	15 HBM23	16 HBM24	17 HBM31	18 HBM30	
	Colour Fastness	Ultraviolet carbon arc lamp light (Grade)	JIS L 0842	change in colour	>4	>4	>4	>4	>4	>4
Washing and Laundering (Grade)		JIS L 0844 Method A-2	change in colour	4-5	4-5	4-5	4-5	4-5	4-5	
			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	
Perspiration (Grade)		JIS L 0848	acid	change in colour	4-5	4-5	4-5	4-5	4-5	4-5
				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
			alkali	change in colour	4-5	4-5	4-5	4-5	4-5	4-5
				staining	4-5 4-5	4-5 4-5	4 4-5	4-5 4-5	4-5 4-5	4-5 4-5
Rubbing (Grade)		JIS L 0849 Type II	dry	4-5	4-5	4-5	4-5	4-5	4-5	
			wet	3-4	3	3	3-4	2-3	3-4	
Water (Grade)		JIS L 0846	change in colour	4-5	4-5	4-5	4-5	4-5	4-5	
	staining		4-5 4-5	4-5 4-5	4-5 4	4-5 4-5	4-5 4-5	4-5 4-5		
Dry cleaning (Grade)	JIS L 0860 Method A-1	change in colour	4-5	4-5	4-5	4-5	4-5	4-5		
		staining	4-5	4-5	4-5	4-5	4-5	4-5		
		solution staining	4-5	4-5	4-5	4-5	4-5	4-5		
Bleeding (Grade)	DAIMARU Method I	staining								
Pilling (Grade)	ISO 12945-1	5hours								

Colour Fastness	Test Items	Methods of Testing	Colour No.	19 HBM29	20 HBM28	21 HBM27	22 HBM25	23 HBM26	24 HBM41	
	Colour Fastness	Ultraviolet carbon arc lamp light (Grade)	JIS L 0842	change in colour	4	>4	>4	3-4	>4	4
Washing and Laundering (Grade)		JIS L 0844 Method A-2	change in colour	4-5	4-5	4-5	4-5	4-5	4-5	
			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	
			solution staining	4-5	4-5	4	4-5	4	4-5	
Perspiration (Grade)		JIS L 0848	acid	change in colour	4-5	4-5	4-5	4-5	4-5	4-5
				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
			alkali	change in colour	4-5	4-5	4-5	4-5	4-5	4-5
				staining	4-5 4-5	4-5 4-5	4 4-5	4-5 4-5	4-5 4-5	4-5 4-5
Rubbing (Grade)		JIS L 0849 Type II	dry	4-5	4-5	4-5	4-5	4-5	4-5	
			wet	4-5	2-3	(2)	3-4	(1-2)	2-3	
Water (Grade)	JIS L 0846	change in colour	4-5	4-5	4-5	4-5	4-5	4-5		
		staining	4-5 4-5	4-5 4	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5		
Dry cleaning (Grade)	JIS L 0860 Method A-1	change in colour	4-5	4-5	4-5	4-5	4-5	4-5		
		staining	4-5	4-5	4-5	4-5	4-5	4-5		
		solution staining	4-5	4-5	4-5	4-5	4-5	4-5		
Bleeding (Grade)	DAIMARU Method I	staining								
Pilling (Grade)	ISO 12945-1	5hours								

() Standard Unattained

Applicant	MONTELUCE/MARUYASU Corporation	
	OKUBO	
	3-21-5,Ryogoku, Sumida-Ku, Tokyo, Japan	
TEL: +81-3-3633-5561		
FAX: +81-3-3633-5531		
Article	1/4	Balloon Cotton Balloon Cotton5 Balloon Cotton7
		AX0012
		42 Pieces
COTTON		50%
ACRYLIC		50%

Laboratory	THE JAPAN COTTON & STAPLE FIBER FABRIC INSPECTING INSTITUTE FOUNDATION	
	1-10-5, Komagome, Toshima-ku, Tokyo, Japan	
	TEL 03-3943-3174	
	FAX 03-3943-3183	
	Date	2021/3/12
	Test No.	TO-2101643-⑤
	InspectionHouse	Tokyo Test Center
Inspector	<i>S. Sato</i>	
Adjacent Fabric	Cotton / Nylon (multifiber fabric)	

SAMPLE	13 ash brown	14 brown	15 lemon	16 yellow	17 orange	18 coral
	19 peach	20 magenta	21 red	22 acid green	23 green	24 D.green

Quantitative analysis of fibre mixtures (%)	
JIS L 1030-2	

Testing Report



Test Items		Methods of Testing	Colour No.	25 HBM43	26 HBM47	27 HBM44	28 HBM4	29 HBM9	30 HBM10
Colour Fastness	Ultraviolet carbon arc lamp light (Grade)	JIS L 0842	change in colour	4	4	(3-4)	>4	(<3)	(3-4)
	Washing and Laundering (Grade)	JIS L 0844 Method A-2	change in colour	4-5	4-5	4-5	4-5	4-5	4-5
			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
	Perspiration (Grade)	JIS L 0848	acid	change in colour	4-5	4-5	4-5	4-5	4-5
			alkali	change in colour	4-5	4-5	4-5	4-5	4-5
	Rubbing (Grade)	JIS L 0849 Type II	dry	4-5	4-5	4-5	4-5	4-5	4-5
			wet	2-3	3	2-3	(2)	4-5	4-5
	Water (Grade)	JIS L 0846	change in colour	4-5	4-5	4-5	4-5	4-5	4-5
			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
	Dry cleaning (Grade)	JIS L 0860 Method A-1	change in colour	4-5	4-5	4-5	4-5	4-5	4-5
staining			4-5	4-5	4-5	4-5	4-5	4-5	
Bleeding (Grade)	DAIMARU Method I	staining	4-5	4-5	4-5	4-5	4-5	4-5	
Pilling (Grade)	ISO 12945-1	5hours							

Test Items		Methods of Testing	Colour No.	31 HBM20	32 HBM22	33 HBM21	34 HBM11	35 HBM13	36 HBM45
Colour Fastness	Ultraviolet carbon arc lamp light (Grade)	JIS L 0842	change in colour	3-4	4	>4	>4	>4	>4
	Washing and Laundering (Grade)	JIS L 0844 Method A-2	change in colour	4-5	4-5	4-5	4-5	4-5	4-5
			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
	Perspiration (Grade)	JIS L 0848	acid	change in colour	4-5	4-5	4-5	4-5	4-5
			alkali	change in colour	4-5	4-5	4-5	4-5	4-5
	Rubbing (Grade)	JIS L 0849 Type II	dry	4-5	4-5	4-5	4-5	4-5	4-5
			wet	2-3	2-3	(2)	(2)	(1-2)	4
	Water (Grade)	JIS L 0846	change in colour	4-5	4-5	4-5	4-5	4-5	4-5
			staining	4-5 4	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4	4-5 4-5
	Dry cleaning (Grade)	JIS L 0860 Method A-1	change in colour	4-5	4-5	4-5	4-5	4-5	4-5
staining			4-5	4-5	4-5	4-5	4-5	4-5	
Bleeding (Grade)	DAIMARU Method I	staining	4-5	4-5	4-5	4-5	4-5	4-5	
Pilling (Grade)	ISO 12945-1	5hours							

() Standard Unattained

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	OKUBO	
	3-21-5,Ryogoku, Sumida-Ku, Tokyo, Japan	
Article	TEL : +81-3-3633-5561 FAX : +81-3-3633-5531	
	1/4	Balloon Cotton Balloon Cotton5 Balloon Cotton7 AX0012
	42 Pieces	
COTTON 50%		ACRYLIC 50%

Laboratory	THE JAPAN COTTON & STAPLE FIBER FABRIC INSPECTING INSTITUTE FOUNDATION	
	1-10-5, Komagome, Toshima-ku, Tokyo, Japan	
	TEL 03-3943-3174 FAX 03-3943-3183	
	Date	2021/3/12
	Test No.	TO-2101643-⑥
	Inspection House	Tokyo Test Center
	Inspector	<i>S. Sato</i>
Adjacent Fabric	Cotton / Nylon (multifiber fabric)	

SAMPLE	25 forest	26 ash green	27 moss	28 navy	29 powder beach	30 bleach denim
SAMPLE	31 aqua	32 sky blue	33 sapphire	34 sunset	35 wash denim	36 ash pink

Quantitative analysis of fibre mixtures (%)	
JIS L 1030-2	

Testing Report



Test Items		Methods of Testing	Colour No.	37 HBM54	38 HBM12	39 HBM53	40 HBM51	41 HBM32	42 HBM40
Colour Fastness	Ultraviolet carbon arc lamp light (Grade)	JIS L 0842	change in colour	>4	>4	>4	(3-4)	4	4
	Washing and Laundering (Grade)	JIS L 0844 Method A-2	change in colour	4-5	4-5	4-5	4-5	4-5	4-5
			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
	Perspiration (Grade)	JIS L 0848	acid	change in colour	4-5	4-5	4-5	4-5	4-5
			alkali	staining	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5	4-5 4-5
	Rubbing (Grade)	JIS L 0849 Type II	dry	4-5	4-5	4-5	4-5	4-5	4-5
			wet	3-4	(2)	2-3	2-3	(2)	(2)
	Water (Grade)	JIS L 0846	change in colour	4-5	4-5	4-5	4-5	4-5	4-5
			staining	4-5 4-5	4-5 4	4-5 4-5	4-5 4-5	4-5 4	4-5 4-5
	Dry cleaning (Grade)	JIS L 0860 Method A-1	change in colour	4-5	4-5	4-5	4-5	4-5	4-5
staining			4-5	4-5	4-5	4-5	4-5	4-5	
Bleeding (Grade)	DAIMARU Method I	staining	4-5	4-5	4-5	4-5	4-5	4-5	
Pilling (Grade)	ISO 12945-1	5hours							
Test Items		Methods of Testing	Colour No.	43	44	45	46	47	48
Colour Fastness	Ultraviolet carbon arc lamp light (Grade)	JIS L 0842	change in colour						
	Washing and Laundering (Grade)	JIS L 0844 Method A-2	change in colour						
			staining						
	Perspiration (Grade)	JIS L 0848	acid	change in colour					
			alkali	staining					
	Rubbing (Grade)	JIS L 0849 Type II	dry						
			wet						
	Water (Grade)	JIS L 0846	change in colour						
			staining						
	Dry cleaning (Grade)	JIS L 0860 Method A-1	change in colour						
staining									
Bleeding (Grade)	DAIMARU Method I	staining							
Pilling (Grade)	ISO 12945-1	5hours							

() Standard Unattained

Applicant	MONTELUCE/MARUYASU Corporation	
	OKUBO	
	3-21-5,Ryogoku, Sumida-Ku, Tokyo, Japan	
Article	TEL : +81-3-3633-5561 FAX : +81-3-3633-5531	
	1/4	Balloon Cotton Balloon Cotton5 Balloon Cotton7 AX0012
	42 Pieces	
COTTON		50%
ACRYLIC		50%

Laboratory	THE JAPAN COTTON & STAPLE FIBER FABRIC INSPECTING INSTITUTE FOUNDATION	
	1-10-5, Komagome, Toshima-ku, Tokyo, Japan	
	TEL 03-3943-3174 FAX 03-3943-3183	
	Date	2021/3/12
	Test No.	TO-2101643-⑦
	InspectionHouse	Tokyo Test Center
Inspector	<i>S. Sato</i>	
Adjacent Fabric	Cotton / Nylon (multifiber fabric)	

SAMPLE	37 foggpurple	38 indigo	39 wine	40 brown purple	41 purple	42 D.purple
	43	44	45	46	47	48

Quantitative analysis of fibre mixtures (%)	
JIS L 1030-2	