

			QUALITY STANDARD OF FABRICS FOR DOWN QUILTS					FOR WOOL COMFORTERS		
Test item			Quality standard *1					Testing methods	Quality standard	
Test item	Testing cloth	Cotton fabrics		Polyester mixed woven fabrics		Silk,Silk/cotton, Silk blended	Cotton fabrics			
		Plain, Twill	Satin *2	Polyester mixed above 50%	Polyester mixed below 50% *3	Plain,Twill,Satin	Plain (200 & 205 threads)		Twill, Satin, the others	
Air permeability (cm <sup>3</sup> /cm <sup>2</sup> · S)	Original	Below 3.5	Below 3	Below 2	Same as cotton fabrics	Below 2.5	JISL1096 103 methods. frazier type methods	Below 5	Below 4	
	After washing *4	Below 4	Below 4	Below 3		Below 4		There is no stand of after washing		
Tensil strength (N)	Warp & Weft	Above 150 former indication above 15kg					JISL1096A Labeled strip method	Same as down quilts		
Tear strength (cN)	Warp & Weft	Above 550	Above 590 *5 former indication above 600g		Above 680 former indication above 700g		JISL1096A The falling pendulum method	Above 600	Above 650	
Bending resistance (%)	Warp & Weft	Within ±5	Within ±4 (JISL1096D)		Within ±4 (JISL1096) Within ±3 (JISL1096J-II)		(Mentioned in each item)	Within ±5	Within ±4 JISL1096D	
Color Fastness *6	Washing (grade)	Change in color		Above 3	Above 4		JISL0844 A- II	Above 4		
		Staining		Above 3	Above 3			Above 3		
	Light resistancy (grade)	Change in color		Above 3	Above 4 (Light colors ; Above 3)		JISL0842	Above 4 (Light colors ; Above 3)		
		Rubbing (grade)	Dry		Above 3	Above 4 (Dark colors ; Above 3)		JISL0849 II	Above 4 (Dark colors ; Above 3)	
	Wet		Above 2.5	Above 3 (Dark colors ; Above 3)		Above 3 (Dark colors ; Above 3)				
	Perspiration (grade)	Acidity	Change in color	Above 3	Above 4		JISL0848A	Above 4		
			Staining	Above 3	Above 3			Above 3		
		Alkalinity	Change in color	Above 3	Above 4			Above 4		
Staining			Above 3	Above 3		Above 3				
Dry cleaning (grade)	Change in color		Above 3	Above 4		JISL0860A	Above 4			
		Staining								
Free formaldehyde (ppm)			Below 75 *7					JISL1040 Free formaldehyde test	Same as down quilts	
*1 : Following fabrics depend on each company's standard or guarantee. Fabrics for eider down, for other high quality down, except Japanese fabrics, special yarns used fabrics and other fabrics in this table. *2 : This is only five-harness satin. *3 : Fabrics of mixed polyester below 50% should be treated same as cotton fabrics. *4 : This "washing" is not mean washable. It is an acceleration test for determining wheather withstand long-term use. *5 : Tear strength of thin and light fabrics which English yarn count are above 100 single yarn or doubled yarn is above 570 cN. *6 : Except following fabrics. Golden leaf, silvery leaf and metallic yarn used fabrics or pigment printing and discharge style fabrics. *7 : For babies within 24 month-old, absorbnace is within 0.05.								Fabrics by special yarns and special finish depend on each company' s standard or guarantee.		