



QB/T 1195-2012

Down and Feather Sleeping Bag Standard

Author: Jenson Sun/ Bryan Mortensen

Updated: Feb 2016 (IDFL Copyright)

The purpose of this document is to assist manufacturers, supplier, and/or buyers in meeting the standards specified by QB/T 1195-2012. It is specifically designed to help meet the various quality requirements for the following:

1. Meeting Down and Feather Requirements for QB/T 1195-2012
2. Meeting Fabric and Textile Requirements for QB/T 1195-2012
3. Meeting Finished Product Appearance and Labelling Requirements for QB/T 1195-2012

Prefix: About QB/T 1195-2012:

QB/T 1195-2012 is an amendment QB/T 1195-1991. This standard specifies the terms and definitions, requirements, test methods, inspection rules as well as the labelling, packing, transportation and storage of down & feather sleeping bags. It is applicable to down and feather sleeping bags that are mainly filled with down and feathers and take various textile fabrics.

Classification: Products are classified into three categories based on testing results: Infant, Indoor, and Outdoor. These various requirements are outlined in the testing requirements below.

1. Meeting Down and Feather Requirements for QB/T 1195-2012:

Down and Feather components are tested using the GB/T 10288-2003 methods and evaluated according to QB/T 1195-2012 requirements (see chart 1).

Additional Details:

Content:

- Components must meet minimum requirements given by QB/T 1195-2012 (see chart 1).
- For products with blended materials, the percentage of down and feather should be at least 50% of the total filling weight and the down components must also meet minimum requirements given by QB/T 1195-2012 (see chart 1).

Goose or Duck Species:

- Goose down labeled as 80% or greater requires species testing only on down.
- Goose down labeled as less than 80% requires species testing for both down and feather.
- Unidentified down and feather are reclassified according to the known percentage ratio of duck and down. Goose products must contain a minimum of 85% Goose (see chart 1).

Color Separation:

- Only products labelled **white** goose or **white** duck down will require color separation. These products must meet minimum requirements given by QB/T 1195-2012 (see chart 1).

Fill Power:

- Fill Power is tested according to QB/T steam method and measured in GB cylinder and plate. Fill Power must meet minimum requirements given by QB/T 1195-2012 (see chart 1).

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18 January 2017



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Chart 1: QB/T 1195-2012 Down and Feather Requirements

Down Cluster %	Down Cluster Tolerance %	Down Fiber % ≤	Feather Fiber% ≤	Landfowl % ≤	Damaged Feather % ≤	Colored Down and Feather * % ≤	Quill Feather % ≤	Residue % ≤	Fill Power (cm) ≥	Duck Down & Feather % ≤
Goose Down and Feather										
Feather	--	5.0	5.0	5.0	5.0	2.0	10.0	3.0	8.0	15
5	-2.0	10.0	10.0	5.0	5.0	1.5	3.0	2.0	10.0	15
10	-3.0	10.0	10.0	4.5	5.0	1.5	3.0	1.5	11.0	15
20	-3.0	10.0	10.0	4.0	5.0	1.5	3.0	1.5	12.0	15
30	-3.0	10.0	10.0	3.5	5.0	1.5	2.0	1.5	13.0	15
40	-3.0	10.0	10.0	3.0	5.0	1.5	2.0	1.5	14.0	15
50	-5.0	10.0	10.0	2.5	3.0	1.0	2.0	1.2	15.5	15
60	-5.0	10.0	10.0	2.0	3.0	1.0	1.0	1.2	17.0	15
70	-5.0	10.0	10.0	1.5	2.0	1.0	0.5	1.2	18.0	15
75	-5.0	10.0	10.0	1.5	2.0	1.0	0.5	1.2	18.5	15
80	-5.0	10.0	10.0	1.0	2.0	1.0	0.5	1.2	19.0	15
85	-5.0	10.0	10.0	1.0	2.0	1.0	0.5	1.0	19.5	15
90	-5.0	10.0	10.0	1.0	2.0	1.0	0.5	1.0	20.0	15
95	-5.0	5.0	5.0	1.0	2.0	1.0	0.5	1.0	20.5	15
Duck Down and Feather										
Feather	--	5.0	5.0	5.0	5.0	2.0	10.0	3.0	7.5	N/A
5	-2.0	10.0	10.0	5.0	5.0	1.5	3.0	2.0	9.0	
10	-3.0	10.0	10.0	4.5	5.0	1.5	3.0	1.5	10.0	
20	-3.0	10.0	10.0	4.0	5.0	1.5	3.0	1.5	11.0	
30	-3.0	10.0	10.0	3.5	5.0	1.5	2.0	1.5	12.0	
40	-3.0	10.0	10.0	3.0	5.0	1.5	2.0	1.5	13.0	
50	-5.0	10.0	10.0	2.5	3.0	1.0	2.0	1.2	14.0	
60	-5.0	10.0	10.0	2.0	3.0	1.0	1.0	1.2	15.5	
70	-5.0	10.0	10.0	1.5	2.0	1.0	0.5	1.2	17.0	
75	-5.0	10.0	10.0	1.5	2.0	1.0	0.5	1.2	17.5	
80	-5.0	10.0	10.0	1.0	2.0	1.0	0.5	1.2	18.0	
85	-5.0	10.0	10.0	1.0	2.0	1.0	0.5	1.0	18.5	
90	-5.0	10.0	10.0	1.0	2.0	1.0	0.5	1.0	19.0	
95	-5.0	5.0	5.0	1.0	2.0	1.0	0.5	1.0	19.5	

Cleanliness Requirements	
Oxygen (mg/100g)	≤ 10.0
Turbidity (mm)	≥ 450
Fat & Oil %	≤ 1.2
Moisture %	≤ 13
Odor	≤ 2

Net Filling Weight Requirements	
Net Filling Weight	≥ -5 %

-----End of Chart 1-----



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2. Meeting Fabric and Textile Requirements for QB/T 1195-2012:

Fabrics are required to meet the minimum requirements given below (Chart 2).

Chart 2: QB/T 1195-2012 Down and Feather Requirements

Fabric and Textile Requirements			
Test Item	Requirement		
Downproofness	≤ 12 Particles		
AZO Dyes	Not Detected (Not allowed to use, detected limited value ≤ 20mg/kg)		
Zipper	Metal zipper in compliance with QB/T 2171, injection zipper in compliance with QB/T 2172, nylon zipper in compliance with QB/T 2173		
Odor	None		
Classification Requirements are based on the following Results (below):			
Test Item	Classification	Requirement	
Air Permeability (mm/s)	Infant	≥ 5	
	Indoor	≥ 5	
	Outdoor	≥ 2	
Formaldehyde (mg/kg)	Infant	≤ 20	
	Indoor	≤ 300	
	Outdoor	≤ 300	
pH	Infant	4.0 - 7.5	
	Indoor	4.0 – 9.0	
	Outdoor	4.0 – 9.0	
Surface Humidity Resistance (grade)	Infant	N/A	
	Indoor	N/A	
	Outdoor	≥ 3	
Pilling Resistance (grade)	Infant	≥ 3	
	Indoor	≥ 3	
	Outdoor	≥ 4	
Test Item	Category	Classification	Requirement
Colorfastness to Perspiration	Color Change	Infant	3/4
		Indoor	3
		Outdoor	4
	Color Staining	Infant	3/4
		Indoor	3
		Outdoor	3
Colorfastness to Crocking	Dry	Infant	4
		Indoor	3/4
		Outdoor	4 (Shell) 3/4 (Lining)
	Wet	Infant	3/4
		Indoor	3
		Outdoor	3/4 (Shell) 3 (Lining)
Colorfastness to Light	Grade 4	Infant	N/A
		Indoor	N/A
		Outdoor	3/4 (Shell Only)
Colorfastness to Water	Color Change	N/A	3
	Color Staining	N/A	3

-----End of Chart 2-----



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3. Meeting Finished Product Appearance and Labelling Requirements for QB/T 1195-2012:

Finished Products are required to meet the minimum requirements given below (Chart 3).

Chart 3: QB/T 1195-2012 Down and Feather Requirements

Fabric and Textile Requirements	
Test Item	Requirement
Product Inspection	Product Accessories (zippers and buttons), Filling Distribution, Stitching Quality
Dimensional ratio of specification and dimensions (%)	+/- 2.5
Color Tone/Shade (grade)	≥ 3/4
Skewing (%)	≤ 4
Damage/ Needle Holes	No Damage, Needle Holes must be smaller than 5 cm long
Stains/ Spots	Max. 3 small spots
Blemish Streaks / Defect Lines	Max. 1 Large (Obvious) Spot
Print/ Artwork Defects	Defects Not Allowed to affect Total Appearance

-----End of Chart 3-----

Law Label

- Law Label is required to meet GB 5296.4 requirements.
 - List Product Type above fold on label and font size should not be smaller than any other text.
 - Filling type and percentage should be specified and mixed fillings clearly outlined.
 - Product dimensions: Width (cm) x Length (cm)
 - Fiber Content should comply with FZ/T01053.

Product Label should clearly indicate the following:

Product Type	
Down Quilt	100% down and feathers, ≥ 50% down content
Feather Quilt	100% down and feathers, < 50% down content
Mixed Down Quilt	Down and feather blend with other polyester fibers, down and feather portion > 50%, down content ≥ 50%
Mixed Feather Quilt	Down and feather blend with other polyester fibers, down and feather portion > 50%, down content < 50%
Composite Down Quilt	Down and feathers and other fibers are filled into separate chambers, down and feather portion > 50%, down content ≥ 50%
Composite Feather Quilt	Down & feathers and other fibers are filled into separate chambers, down and feather portion > 50%, down content < 50%



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Examples of Law Label Formats:

Down Sleeping Bag

Fabric: 100% Chinlon
Lining: 100% Cotton
Filling: 100% Grey Duck Down (80% Down)
Net Fill Weight: 150g

Feather Sleeping Bag

Fabric: 100% Chinlon
Lining: 100% Cotton
Filling: 100% Grey Duck Feather (30% Down)
Net Fill Weight: 150g

Mixed Down Sleeping Bag

Fabric: 100% Chinlon
Lining: 100% Cotton
Filling: 70% Grey Duck Down (50% Down)
30% Lyocell
Net Fill Weight: Grey Duck Down 140g
Lyocell 60g

Composite Feather Sleeping Bag

Fabric: 100% Chinlon
Lining: 100% Cotton
Filling: Upper Layer: 100% Grey Duck Down (80% Down)
Under Layer: 100% Grey Duck Feather (30% Down)
Net Fill Weight: Upper Layer 140g
Under Layer 60g

Mixed Feather Sleeping Bag

Fabric: 100% Chinlon
Lining: 100% Cotton
Filling: 70% Grey Duck Feather (30% Down)
30% Lyocell
Net Fill Weight: Grey Duck Down 140g
Lyocell 60g

Composite Down Sleeping Bag

Fabric: 100% Chinlon
Lining: 100% Cotton
Filling: Upper Layer: 100% Grey Duck Down (80% Down)
Under Layer: 100% Grey Duck Feather (30% Down)
Net Fill Weight: Upper Layer 140g
Under Layer 60g

Fabric: 100% Chinlon
Lining: 100% Cotton
Filling: Yellow Part: 100% Grey Duck Down (80% Down)
White Part: 100% Lyocell
Net Fill Weight: Grey Duck Down 140g
Lyocell 60g