

China Standard FZ/T 73009-2021 (cashmere knitting goods) Recently Published and Effective Since July 1st, 2021

The new edition of the China standard has some major changes, including but not limited to, removing the Class 2 quality grade, introducing the requirements of dimensional stability to dry cleaning, colourfastness to transfer in joints (contrast colour staining), and AP+APEO restriction, The main differences between old and new editions are shown in below table, with changes highlighted..

No.	Item	FZ/T 73009-2009	FZ/T 73009-2021	Note	
1	Scope	This standard is applicable to identify the quality of knitted worsted, woolen products made from pure cashmere or blends with 30% or more cashmere content.	This standard is applicable to identify the quality of knitted worsted, woolen products made from pure cashmere or blends with 30% or more cashmere content, and products jointed with other fabric type.	/	
2	Terminology	None	Add definition for boiled cashmere knitting goods.	/	
3	Grading	High / Class 1 / Class 2	High / Class 1 / Pass	Quality grading aligned with other industry standards	
4	Safety Requirement	Meet GB 18401	Meet GB 18401, and meet GB 31701 for infants' and children's products	/	
5	Quality Requirement	Fiber content	Comply with FZ/T 01053	Comply with GB/T 29862	2021 version add reference to FZ/T 01057 & FZ/T 01102
		Pilling	High $\geq 3-4$ Class 1 ≥ 3 Class 2 $\geq 2-3$	High $\geq 3-4$ Class 1 ≥ 3 Pass $\geq 2-3$	2021 version waives test for boiled cashmere, hollowed structure, net structure, long floating yarn surface, brushed surface; only test cashmere shell for jointed garment. Semi-worsted tested at 7200 revolution
		Bursting strength	Worsted: $>48Nm: \geq 196kPa$ $\cong 48Nm: \geq 225kPa$ Woolen: $\geq 196kPa$	Worsted: $>48Nm: \geq 196kPa$ $\cong 48Nm: \geq 225kPa$ Semi-worsted, woolen $\geq 196kPa$	2021 version only tests if jersey $\geq 30\%$ by area; waive test for vest and small accessories; yarn size means for overall yarn size for multi plied yarns. Also adds the method option GB/T 7742.2, testing area 7.3cm ² ; but use GB/T 7742.1 for arbitration test
		Spirality	$\leq 5^\circ$, assessed before washing	$\leq 5^\circ$ assessed after washing 1X7A	2021: test method as FZ/T 20011
		Dimensional change to washing	Relaxation change: High / Class 1: Lengthwise -5%~+5% Widthwise -5%~+5% Class 2: none	High / Class 1 / Pass Hand washable –relaxation change: Underwear: Lengthwise -5%~+5% Widthwise -5%~+5% Machine washable - relaxation change: Cardigan, Pullover, Vest, Underwear: Lengthwise -5%~+5% Widthwise -5%~+5% Machine washable - felting change: Cardigan, Pullover, Vest, Underwear, Small accessory: Area -8%~+8% Sock: Lengthwise -5%~+5% Machine washable - total change: Pant, Dress, Skirt, Jointed Garment: Lengthwise -5%~+5% Widthwise -5%~+5%	2009: only tests for jersey product; 2021: waives test product if use instruction specifies not washable, only test jersey product for widthwise relaxation change. The test method specified as FZ/T 70009-2012. Hand washable –relaxation change 1X7A Machine washable - relaxation change 1X7A Machine washable - felting change 2X5A
		Dimensional change to drycleaning	No such requirement	Lengthwise -5%~+5% Widthwise -5%~+5%	2021 only applicable to products drycleanable per care instruction. Test method as GB/T 19981.2, very delicate material procedure, 1 cycle, without iron and press
		AP & APEO	No such requirement	NP+OP $\leq 100mg/kg$ NP+OP+NPEO+OPEO $\leq 1000mg/kg$	2021 newly added item. Test method as GB/T 23322

No.	item	FZ/T 73009-2009	FZ/T 73009-2021	Note	
5	Quality Requirement	Dichloromethane Soluble Matter	High: $\leq 1.5\%$ Class 1: $\leq 1.7\%$ Class 2: none	High: $\leq 1.5\%$ Class 1: $\leq 1.7\%$ Pass: $\leq 2.5\%$	2021 only test for woolen or semi-worsted product with 30% or more animal hair; waive test if containing polyester, polypropylene, acetate or triacetate.
		Coverage factor	High / Class 1: ≥ 1.0 Class 2: none	High / Class 1: ≥ 1.0 Pass: none	2009: only test for woolen jersey product; 2021: only test for semi-worsted or woolen jersey product
		Colourfastness to washing	High: colour change $\geq 3-4$ colour staining on wool ≥ 4 colour staining on other fiber $\geq 3-4$ Class 1: colour change ≥ 3 colour staining ≥ 3 Class 2: colour change ≥ 3 colour staining ≥ 3	High: colour change $\geq 3-4$ colour staining $\geq 3-4$ Class 1: colour change $\geq 3-4$ colour staining ≥ 3 Pass: colour change ≥ 3 colour staining ≥ 3	2021: waive test product if use instruction specifies not washable Test method as GB/T 12490-2014, hand wash A1S, machine wash B2S
		Colourfastness to drycleaning	High: colour change ≥ 4 colour staining $\geq 3-4$ Class 1: colour change $\geq 3-4$ colour staining ≥ 3 Class 2: colour change $\geq 3-4$ colour staining ≥ 3	High: colour change ≥ 4 colour staining ≥ 4 Class 1: colour change $\geq 3-4$ colour staining $\geq 3-4$ Pass: colour change $\geq 3-4$ colour staining ≥ 3	2021: waive test product if use instruction specifies not drycleanable. 2009 assess staining on solution, 2021 assess staining on adjacent fabric.
		Colourfastness to perspiration	High: colour change $\geq 3-4$ colour staining on wool ≥ 4 colour staining on other fiber $\geq 3-4$ Class 1: colour change ≥ 3 colour staining ≥ 3 Class 2: colour change ≥ 3 colour staining ≥ 3	High: colour change $\geq 3-4$ colour staining $\geq 3-4$ Class 1: colour change $\geq 3-4$ colour staining ≥ 3 Pass: colour change ≥ 3 colour staining ≥ 3	/
		Colourfastness to water	High: colour change $\geq 3-4$ colour staining on wool ≥ 4 colour staining on other fiber $\geq 3-4$ Class 1: colour change ≥ 3 colour staining ≥ 3 Class 2: colour change ≥ 3 colour staining ≥ 3	High: colour change $\geq 3-4$ colour staining $\geq 3-4$ Class 1: colour change $\geq 3-4$ colour staining ≥ 3 Pass: colour change ≥ 3 colour staining ≥ 3	/
		Colourfastness to rubbing	High: dry ≥ 4 wet ≥ 3 Class 1 / Class 2: dry $\geq 3-4$ (dark colour ≥ 3) wet ≥ 3	High: dry ≥ 4 wet ≥ 3 Class 1 / pass: dry $\geq 3-4$ (dark colour ≥ 3) wet ≥ 3 (silk or synthetic filament fabric $\geq 2-3$)	/
		Colourfastness to light	High / Class 1 / Class 2: dark colour ≥ 4 light colour ≥ 3	High / Class 1 / Pass: dark colour ≥ 4 light colour ≥ 3	2021 newly added remark: waive test for underwear and sock product. Test method as GB/T 8427-2019, method 3
		Colourfastness to transfer in joint	No such requirement	≥ 4	2021 newly added item, only test for dark colour and light colour jointed product, waive test product if use instruction specifies not washable. Test method as GB/T 31127-2014, method A
6	Instruction of use	Comply with GB 5296.4	Comply with GB/T 5296.4 & GB 18401, infants' and children's products comply with GB/T 5296.4 & GB 31701		

How Does this Impact You? Contact Us to Discuss

Any comments and/or questions please contact your local customer service representative or email to:

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