

PROTOCOL # 603-28

Mattress Pads/Mattress Toppers

Performance Test	Test Method	Requirement
Initial Package		
Label Verification		
Label Review	Care Labeling 16 CFR 423 16 CFR 300/ 19 CFR 134 Textile Fiber Products Identification Act 16 CFR 303 Wool Products Labeling Act	Verify Information on TRF matches the label Fiber content, Care, Country of Origin, Manufacturers Registration Number, Wool Products Registration Number must meet Federal Standards If labeling or packaging is not attached to product, artwork must be provided
Flame Retardant Chemical Statement	TB 117-2013/SB1019	Implement on and after January 1, 2020: Upholstered furniture shall indicate whether or not the product contains added flame retardant chemicals by including the following "flame retardant chemical statement" and indicate with an "X" in one of the appropriate blanks. NOTICE THIS ARTICLE MEETS THE FLAMMABILITY REQUIREMENTS OF CALIFORNIA BUREAU OF HOUSEHOLD GOODS AND SERVICES TECHNICAL BULLETIN 117-2013. CARE SHOULD BE EXERCISED NEAR OPEN FLAME OR WITH BURNING CIGARETTES. "The upholstery materials in this product: _____contain added flame retardant chemicals _____contain NO added flame retardant chemicals The State of California has updated the flammability standard and determined that the fire safety requirements for this product can be met without adding flame retardant chemicals. The state has identified many flame retardant chemicals as being known to, or strongly suspected of, adversely impacting human health or development." Label requirement shall comply to Section 1374.3 of Title 4 of the California Code of Regulations for font size of 1/8 in min. and label size of 2 in x 3 in min. Note: The statement shall follow TB 117 flammability compliance statement (on bottom or right hand side of the flammability compliance statement) It is vendor responsibility to retain documentation to show whether flame retardant chemicals were added Effective date: January 1, 2015

Performance Claims for Home Textile Products (1000)	Refer to Protocol 1000	All samples shall be reviewed against the requirements of the Performance Claims for Home Textile Products Protocol to determine if additional testing or labeling is required
Performance Test	Test Method	Requirement
Label Verification		
Flammability Labeling	TB - 117 - 2013	Verify label is present and includes the following: NOTICE THIS ARTICLE MEETS THE FLAMMABILITY REQUIREMENTS OF CALIFORNIA BUREAU OF HOUSEHOLD GOODS AND SERVICES TECHNICAL BULLETIN 117-2013. CARE SHOULD BE EXERCISED NEAR OPEN FLAME OR WITH BURNING CIGARETTES.
Law Label (Filled Products Only)	International Association of Bedding & Furniture Labeling Officials & CA Bureau of Home Furnishing and Thermal Insulation Act	Label must be included and all state laws must be met: CA BFHTI Article 13 Sec. 1374 *Refer to Kohl's Labeling Guideline Policy for Law Label Guidelines If labeling or packaging is not attached to product, artwork must be provided
Tracking Label: Children's product: ALL ages	Consumer Product Safety Improvement Act of 2008 (CPSIA) SEC. 103	Refer to Kohl's Tracking Label Section in the Labeling Guideline Policy. Following information must be provided: Retailer's Name (Kohl's) Style Number/Name Factory Number Date (Month/Year)
Adult Tracking Label: <i>**If space limitations exist, contact Kohl's Quality Assurance & Product Integrity teams to discuss minimum required information (quality.assurance@kohls.com).**</i>	Kohl's Requirement	TO BE MARKED AS PASS/FAIL Can be included on packaging when necessary: Kohl's Assigned Factory Number Manufacture Date (Month/Year) UPC #
Performance Test	Test Method	Requirement
Label Verification		
Packaging Review Actual packaging or artwork must be provided	FPLA/ UPLR 16 CFR 500 & 19 CFR 134	Should be legibly marked with the following information and verified: -Distributor's name, trademark or other means of identification of the manufacturer or packer and address (City, State, Zip) -Product identification - Net quantity of the contents in terms of weight, measure or numerical count (metric & US standard) or a combination so as to give accurate information and facilitate value comparison by the consumer (if applicable) -Country of origin (if imported) -Product Size (if applicable) Refer to Kohl's FPLA/ UPLR guideline
Labeling Review: Flammability of Mattresses or Mattress Pads	16 CFR 1632.31	See CFR 1632.31 regulations

Import Permit (For Natural Materials Only)	US Department of Agriculture Animal and Plant Health Inspection Service (APHIS), Plant Protection and Quarantine (PPQ)	Product shall not have prohibited materials present per US Department of Agriculture, Animal and Plant Health Inspection Service (APHIS), Plant Protection and Quarantine (PPQ) Documentation and/ or proper permit(s) for specific product shall be supplied along with Testing Request form and samples. Permit information may be found at: https://www.aphis.usda.gov/wps/portal/aphis/home/ It is the vendor's responsibility for the compliance to relevant requirements.
Product Warning Labels (Infant Fitted Mattress Pads Only)	ASTM F1917-12 Section 8.2.6	Refer to Section 8.2.6 of ASTM F1917 for fitted sheets
Physical Properties		
Fiber Content	AATCC 20/ 20A Wool Products Labeling Act	One Fiber Only: No Tolerance Two or More Fibers: +/- 3% max deviation from contracted fiber content Functional Fibers i.e. Spandex: +/- 2% max deviation from contracted fiber content
Count	ASTM D 3775/ ASTM 3887/ AATCC/ASTM TS-002	Report Actual Data
Fabric Weight	ASTM D 3776	Contracted Weight: +/- 5% max (oz/sqyd) deviation
Product Size	Kohl's TM-8	If claimed on packaging: Refer to applicable Minimum Construction Standard doc (under TD tab) for tolerances OR if not listed in Min Construction Standards: +3% max -0% max If not claimed on packaging: Report Actual
Performance Test	Test Method	Requirement
Physical Properties		
Yarn Size	ASTM D 1059	Contracted Yarn Size: +/- 5% max deviation
Weight of Filling Material (if applicable)	Kohl's TM-24	Contracted Weight: +/- 5% max (oz/sqyd, lbs, oz.) deviation
Flammability	16 CFR 1632.4-5 (FF 4-72, Amended)	2 inch char length maximum
Analytical		
Tech Pack Verification* (Needs to be provided - Lab HOLD if not provided)	Visual Check	Verify all claims mentioned in Tech Pack file
Formaldehyde - Adults & children over 5T	Kohl's TM-5 JIS L 1041:2011 Sec. 8.1.3 & 8.1.4 Method A or B	Negative, If Spot Test is Positive/ inconclusive, proceed with step 2 Children over 5T & Adults = 75 ppm max.
Formaldehyde - Children's 0-5T	JIS L 1041:2011 Sec. 8.1.3 & 8.1.4 Method A or B	Children 0-5T = 20 ppm max.
pH Value	AATCC 81	All colorways 5.0-8.0 (No Tolerance)
CA Prop 65* (if applicable)	Refer to Protocol 1300	All samples shall be reviewed against the requirements of California Prop 65

Softlines Regulatory Supplemental Protocol	Refer to Protocol 501	All samples shall be reviewed against the requirements of the Softlines Regulatory Supplemental Protocol to determine if additional testing or labeling is required.	
Dimensional Change			
Dimensional Change to Home Laundering or Dry-cleaning (washable products only) (entire sample to be washed)	AATCC 150 (after 3 washes) / AATCC 158 (1 cycle) (Length x Width) Tide® Powder Detergent	Home Laundering: +/- 5% Dry Clean: +/- 3%	
Appearance Retention	AATCC/ASTM TS-008 Modified Tide® Powder Detergent	Must meet all applicable Kohl's Appearance Evaluation Requirements	
Appearance Retention to Spot Clean	Kohl's TM-9	Must meet all applicable Kohl's Appearance Evaluation Requirements	
Fit Test (Adult Queen fitted sheets)	Kohl's TM-27	Must meet all applicable requirements as per the test method.	
Fit Test (Infant Fitted Mattress Pads) Crib Mattress Size - 28"W x 52"L x 6"H	AATCC/ASTM TS-008 Modified Tide® Powder Detergent	Make sure crib fitted sheet fits snugly on the crib mattress and that the sheet overlaps the mattress so it cannot be dislodged by pulling on the corner of the sheet.	
Strength & Durability			
Tensile Strength (wovens only)	ASTM D 5034 (CRT/CRE Tensile Testing Machine)	>2 to ≤ 4.0 oz/sq. yd	25 lbs min
		> 4.0 to ≤ 8.0 oz/sq. yd	35 lbs min
		> 8.0 oz/sq. yd	45 lbs min
Tear Strength (wovens only)	ASTM D 1424 (Elmendorf)	>2 to ≤ 4.0 oz/sq. yd	2 lbs min
		> 4.0 to ≤ 8.0 oz/sq. yd	2.5 lbs min
		> 8.0 oz/sq. yd	3 lbs min
Seam Slippage/ Seam Strength (wovens only)	ASTM D 1683	All seams and seam slippage:	25 lbs min
Bursting Strength (knits only)	ASTM D 3786	Fabric	30 lbs /sq. inch
		Seams	25 lbs /sq. inch
Compression Withstand	Kohl's TM-7	Ability to return to its original size after compression. Report changes in thickness as reference.	
Performance Test	Test Method	Requirement	
OPTIONAL TESTING - TOXICOLOGY TESTING (required where applicable at additional cost)			
Lead Content in Surface Coating - Scrapeable in each color*	CPSC-CH-E1003-09.1	Children & Adult Products ≤ 90 ppm (0.009% total weight)	
Total Lead in Substrate Material*	CPSC-CH-E1002-08.3/ CPSC-CH-E1001-08.3	Children of ALL ages - Accessible components in each part/ material ≤ 100 ppm (0.010% total weight)	
Phthalates in each plasticized part/ material such as PVC, Vinyl *	FPLA/ UPLR 16 CFR 500 & 19 CFR 134	Applies to ALL Children's Products ≤ 1000 ppm max (0.1% max total) BBP, DBP, DEHP, DINP, DIDP, DNOP ≤ 1000 ppm max (0.1% max each individual) DCHP, DIBP, DnHP/DHEXP, DPP/DPENP ALL Adult products ≤ 1000 ppm max (0.1% max total) BBP, DBP, DEHP, DINP, DIDP, DNOP ≤ 1000 ppm max (0.1% max each individual) DCHP, DIBP, DnHP/DHEXP, DPP/DPENP	

Soluble Heavy Metals * Applies to Children's Toys	ASTM F963	Children's Toys = Defined as a consumer product designed or intended by the manufacturer for a child, for use by the child when the child plays. Required for children's toys of ALL ages Mercury - 60 ppm Antimony - 60 ppm Arsenic - 25 ppm Selenium - 500 ppm Barium - 1000 ppm Cadmium - 75 ppm Chromium - 60 ppm Lead - 90 ppm								
Lead, Cadmium and Phthalate* Applicable to children product including: - Child car seats - Clothing - Cosmetics for children under the age of 12 - Jewelry for children under the age of 12 - Products to help a child with sucking or teething, to facilitate sleep, relaxation, or the feeding of a child	<u>Lead and Cadmium</u> EPA SW 846 Method # 3050B/3051 (Mod.) / CPSCCH-E1003-09.1/ CPSC-CHE1002-08.1 / CPSC-CHE1001-08.1 <u>Phthalate</u> CPSC-CH-C1001-09.3	Washington Children's Safe Products Act ≤ 90 ppm (lead) ≤ 40 ppm (Cadmium) ≤ 0.1% (max total) BBP, DBP, DEHP, DINP, DIDP, DNOP ≤ 0.1% (max each individual) DCHP, DIBP, DnHP/DHEXP, DPP/DPENP Note: Actual test would be performed on below suggested accessible materials. <table border="1" data-bbox="870 688 1539 829"> <thead> <tr> <th>Substances</th> <th>Suggested materials</th> </tr> </thead> <tbody> <tr> <td>Lead</td> <td>Follow CPSC lead</td> </tr> <tr> <td>Cadmium</td> <td>Follow CPSC lead</td> </tr> <tr> <td>Phthalates</td> <td>Coating & Plasticized materials</td> </tr> </tbody> </table> The Washington standard cannot be enforced for products to which a federal standard applies.	Substances	Suggested materials	Lead	Follow CPSC lead	Cadmium	Follow CPSC lead	Phthalates	Coating & Plasticized materials
Substances	Suggested materials									
Lead	Follow CPSC lead									
Cadmium	Follow CPSC lead									
Phthalates	Coating & Plasticized materials									

(*) asterisk = ALL COLORWAYS MUST BE TESTED

Minimum Sample Size Necessary for Testing

Recommended Size – Queen Size

Initial Package

3 finished products

Toxicology Testing

Consult with Lab for the number of samples

Flammability Testing

6 identical replicas' finished product Twin size must be sent directly to lab.

Any questions, please consult with Lab.

Mattress Pad Flammability Testing (16 CFR 1632.4-5) will be subcontracted to BV Noida or BV Buffalo (USA) - TAT: 5 days

Pricing: Please refer to Kohl's preferred third party labs for individual pricing

Turn Around Time = 4-5 working days

Flammability Testing = 7 working days

Toxicology Testing = 6 working days

PROTOCOL VERSION	DESCRIPTION OF CHANGE	DATE REVISION/ APPROVED
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603-1	<ul style="list-style-type: none"> 1) Label Review – Added 16 CFR 300, 19 CFR 134. Lab is required to verify information on TRF and match to label submission. 2) Added Tracking Label Review on Children’s Products. 3) Fabric Weight – added oz/sqyd measurement 4) Weight of Filling Material – Updated Method to Kohl's TM-8 5) Formaldehyde Spot Test – Method changed from Intertek USA #416 to Kohl’s TM-5. 6) Added Appearance Retention to Spot Clean 7) Added Fit Test mattress requirements 8) Tensile Strength – Added CRT Tensile testing machine. 9) Bursting Strength – Added lbs/sq inch min measurement 10) Compression Withstand – Updated method to Kohl's TM-7 11) Lead Surface Coating – Corrected method from 16 CFR 1303 to CPSC-CH-E1003-09. Also, added requirement for Adult products. 12) Lead Substrate – Corrected method from EPA 3050B or EPA 3051 to CPSC-CH-E1002-08/CPSC-CH-E1001-08. 13) Phthalates – Corrected method from ASTM D3421 to CPSC-CHC1001.09.2. 14) Heavy Metals – Corrected method from ASTM F 963-07 to ASTM F 963-08 	August 2011/Amy Her
603-2	1) Add price package for ROW.	December 2011/ Amy Her
603-3	<ul style="list-style-type: none"> 1) Added Ultra to the Tide ® detergent 2) Added packaging review 3) Added yarn size and product size to the initial testing package 4) For formaldehyde test included “if positive/inconclusive proceed with step 2” also updated requirement for children to 20 ppm 5) Added pH testing to initial package testing 6) Updated the test method for fill weight to Kohl’s TM-24 7) Updated count test method to include all test methods 8) Updated test method for the fit test to Kohl’s TM-27 9) Added seam strength for wovens 10) Updated test method for toxicology tests 	January 2014/ Kristi Sachs
603-4	<ul style="list-style-type: none"> 1) For packaging review added that artwork can be submitted as well as updated the product size to be if applicable 2) Added “Foam Mattress Toppers” to header 	September 2014/ Kristi Sachs
603-5	1) Removed pricing from protocol	November 2014/Jackie Deppisch
603-6	<ul style="list-style-type: none"> 1) Added phthalate requirement for adults 2) Added TB 117-2013 labeling and requirements 	December 2014/Jackie Deppisch
603-7	1) Updated product size to include Tech Design's Minimum Construction	September 2015/Jackie
603-8	1) Updated TB 117-2013/ SB 1019 labeling requirements	November 2015/Jackie Deppisch
603-9	1) Updated format	October 2016/ Dana Leair
603-10	1) Added Lead, Cadmium and Phthalates testing for children	May 2017/Charlene Swanson
603-11	1) Updated pH value for whites and all other colorways	September 2017/Charlene
603-12	1) Updated Formaldehyde for children to be up to 5T	October 2017/Charlene Swanson
603-13	1) Added CA Prop 65	November 2017/Charlene
603-14	<ul style="list-style-type: none"> 1) Updated Labeling review of flammability of mattresses and mattress pads 2) Updated Lead content format 3) Update Phthalates requirements 	December 2017/Charlene Swanson
603-15	<ul style="list-style-type: none"> 1) Updated Tide detergent to correct name 2) Updated formaldehyde to be up to date 	January 2018/Charlene Swanson

603-16	1) Updated phthalates to have DIDP included in testing 2) Updated Tide detergent to be correct name for Appearance Retention 3) Removed pricing from flammability testing	
603-17	1) Updated pH value to be 5.0-8.0 2) Updated Phthalates for Washington Law to include coated materials 3) Updated Soluble Heavy Metals to be ASTM F 963-17	February 2018/Charlene Swanson
603-18	1) Updated Tracking Label to include Adult Tracking Label requirements	October 2018/Charlene
603-19	1) Separated Adult Tracking Label and marked as DATA ONLY	March 2019/Jackie Deppisch
603-20	1) Added Import Permit requirement 2) Updated phthalates to have requirements for max total and individual testing	April 2019/Charlene Swanson
603-21	1) Updated Law Label requirements	September 2019/Charlene
603-22	1) Added Tech Pack Verification	November 2019/Charlene
603-23	1) Updated Flammability Labeling requirements for TB 117	December 2019/Charlene
603-24	1) Updated Adult Tracking Label to REQUIREMENT	March 2020/Jackie Deppisch
603-25	1) Added Product Warning Label (ASTM F1917) for infant fitted mattress pads 2) Added fit test for infant fitted mattress pads	February 2022/Charlene Swanson
603-26	1) Added test line for all performance claims	March 2022 / Becky Becker
603-27	Added Softlines Regulatory Supplemental Protocol testline	Violet Nelson Oct. 28, 2022
603-28	1) Updated email address for adult tracking label and removed year from ASTM F963	February 2024 / Charlene Swanson