

309-10

Interlinings - Sewn in/Bonded/Laminated Components

PERFORMANCE	TEST METHOD	REQUIREMENT
INITIAL PACKAGE / FULL PACKAGE		
Physical Properties		
Construction Quality (original state)	Kohl's TM-10	No delaminating, puckering, cracking, blistering, or bubbling of interlining component
Dimensional Change		
Dimensional Change in Home Laundering, Dry Cleaning & Steam Pressing	ASTM D 2724 (3 Home Launderings / 1 Dry Clean Cycles) Tide® Powder Detergent	2 Evaluations: - Change after wash / dry clean (no steam press) - Change after wash / dry clean (with steam press)
Strength & Durability		
Appearance Retention in Home Laundering, Dry Cleaning & Steam Pressing	ASTM D 2724 (3 Home Launderings / 1 Dry Clean Cycles) Tide® Powder Detergent	2 Evaluations: - Change after wash / dry clean (no steam press) - Change after wash / dry clean (with steam press) No color change, delaminating, puckering, cracking, blistering, or bubbling
Analytical		
Formaldehyde	Kohl's TM-5 (only for 5T and up)	Negative, If Spot Test is Positive, proceed with step 2
	JIS L 1041:2011 – Sec. 8.1.3 & 8.1.4 Method A or B	Children over 5T & Adults = 75 ppm max. Children's 0-5T = 20 ppm max.
REQUIRED WHERE APPLICABLE AT ADDITIONAL COST		
Peel Bond Strength (Fused Products Only)	ASTM D2724	Use chart below for requirements
Garment Category		
	Description of Fused Area and Requirements	
Ladies, Children's or Casual Men's Wear	Full Fronts, Exposed Areas, Partly Fused, Cuffs, Collar, Waistband, Fly, Closed Facings: >5.0 Newton/5cm (500g/2")	
Classic Men's Wear (Jackets, Blazers, Suits)	Full Fronts (wovens or weft inserted interlining): >8.0 Newtons/5cm (800g/2")	
Casual Men's Shirts	All Areas Containing Non-Woven Interlining and/or Lightweight Woven or Knit Interlining: >5.0 Newtons/5cm (500g/2")	
Dress Men's Shirts	All Areas Containing Woven Interlining Utilized HDPE Adhesive (Single Fused and/or Double Fused): > 10.0 Newtons/5cm (1000g/2")	
Colorfastness		
Colorfastness to Chlorine AND Non-Chlorine Bleach	AATCC TS-001 (Grey & Black Only)	Shade Change: Grade 4 min
Colorfastness to Crocking (Grey & Black Only)	AATCC 8	Dry: Grade 4 min Wet: Grade 3 min
Colorfastness to Water (Grey & Black Only)	AATCC 107	Shade Change: Grade 4 min Staining: Grade 4 min

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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 ≤ 90ppm (0.009% by weight) Refer to Kohl's Product Safety Policy for additional requirement on Composite Testing
Total Lead in Substrate Material*	CPSC-CH-E1002-08.1/ CPSC-CH-E1001-08.1	Children's of ALL ages & Adult ≤100 ppm (0.010% total weight) Refer to Kohl's Product Safety Policy for additional requirement on Composite Testing
Phthalates in each plasticized part/material such as PVC, Vinyl*	CPSC-CH-C1001.09.3	Children's & Adult Products (Coatings Shall be tested) < 0.1% (1000 ppm) in each part of DEHP, BBP, DBP, DINP, DIDP, DnHP, DnOP, DIBP, DnPP, DCHP Refer to Kohl's Product Safety Policy for additional requirement on Composite Testing
Soluble Heavy Metals* Applies to Children's Toys	ASTM F 963-17	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 Barium – 1000 ppm Antimony – 60 ppm Cadmium – 75 ppm Arsenic – 25 ppm Chromium – 60 ppm Selenium – 500 ppm Lead – 90 ppm

(*) asterisk= ALL COLORWAYS MUST BE TESTED

*****ALL COMPONENTS MUST BE TESTED FOR TOXICOLOGY*****

Minimum Sample Size Necessary for Testing

Interlining Fabric:
 Grey or Black = 2 yards x full width
 White = 1 yard x full width

Fused Samples:
 Four 24x24 inch samples (long dimensions in the warp direction) fused to wash fabrication specified by Kohl's. For fabrications, refer to the Preferred Supplier Program Policy.

Toxicology Testing
 Consult with approved lab for the number of samples

Turn Around Time = 4 working days
 Toxicology Testing = 6 working days

****Please refer to Kohl's preferred third party labs for individual and optional testing pricing**

If Formaldehyde Spot Test is found positive, additional charges will incur for additional testing.
For sizes 0-4T, Formaldehyde will be added as a separate charge as it is a mandatory test for this category.

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PROTOCOL VERSION	DESCRIPTION OF CHANGE	DATE REVISION / APPROVED BY
309-1	<ol style="list-style-type: none"> 1. Dimensional Change in Home Laundering, Dry Cleaning & Steam Pressing – ADDED 2 evaluations: measure dimensional change with no steam press and with steam press. 2. Appearance Retention – ADDED 2 evaluations: evaluate with no steam press and with steam press. 3. Formaldehyde Content – Changed requirement to: Children over 36 months & Adults = 75 ppm max. Infants under 36 months = 0.05 Absorbency max. 4. Peel Bond Strength – Changed weight units to Newtons/cm. 	Nov. 2008/Ro Jain
309-2	<ol style="list-style-type: none"> 1. Lead Content in Surface coating – Updated test method to CPSC-CH-E1003-09 2. Lead in Substrate – Updated test method to CPSC-CH-E1002/CPSC-CH-E1001-08 and requirement <100 ppm 	Nov. 2009/Ro Jain
309-3	<ol style="list-style-type: none"> 1. Construction Quality – Assigned test method # to Kohl’s TM-10. 2. Dimensional Change – Remove +/-2% differential shrinkage. 3. Formaldehyde – Changed method from Intertek USA #416 to Kohl’s TM-5. 4. Peel Bond Strength – Remove Fused Small Parts Area. Changed Classic Men’s Shirt to Dress Men’s Shirt. 5. Lead in Surface Coating – Updated method to CPSC-CH-E1003-09.1. Added 	Nov. 2011/Amy Her
309-4	<ol style="list-style-type: none"> 1. Lead in Substrate test – Starting Spring 2013, test is required on Adult products. 2. Toxicology tests required on both Children & Adult products. 	Sept. 2012 / Vinoth Deenadayalan
309-6	<ol style="list-style-type: none"> 1. Removed “starting spring 2013” statement 2. Added “coatings shall be tested” statement to the Phthalates test 3. Heavy Metals – updated test method to ASTM F963-11 4. Formaldehyde – Modified JIS method to Water Extraction. Updated Children 0-4T req. from 0.05 Absorbency to 20 ppm. 	May 2013/ Vinoth Deenadayalan
309-7	Removed pricing for testing/took out Intertek/added approved lab statement	October 6th 2014/Nov. 31 2014/Leah Gross-Hutchison
309-8	Added Formaldehyde test method B	December 4th 2014
309-9	Updated phthalates requirements Updated Soluble Heavy Metals version number	October 2018-Deppisch

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PERFORMANCE	TEST METHOD	REQUIREMENT
309-10	1. Updated dimensional stability and appearance retention test method to have a "dash" in between wash cycles or dry cleaning under requirements 2. Updated format 3. Updated formaldehyde to have 5T instead of size 4 called out, and updated to be the most current method	October 2019/Charlene Swanson