

212-26

Knit Socks/ Gripper Socks/ Booties/ Tights/ Hosiery

PERFORMANCE	TEST METHOD	REQUIREMENT
INITIAL PACKAGE		
Label Verification		
Label Review	Care Label 16 CFR 423 Textile Fiber Products Identification Act 16 CFR 303 Wool Product Labeling Act-16 CFR 300 Fur Products Labeling Act – 16 CFR 301 Fur Product Identification Act – 15 U.S.C.69	Fiber Content, Care, Country of Origin, Manufacturers Registration Number, Wool Products Registration Number must meet Federal Standards If label is not sewn to garment, artwork of the proposed care/content label must be provided.
Tracking Label: Children's product: ALL ages	Consumer Product Safety Improvement Act of 2008 (CPSIA) SEC. 103	<u>Refer to Kohl's Tracking Label Section in the Labeling Guideline Policy.</u> Following information must be provided: Retailer's Name (Kohl's) Style Number/Name Factory Number Date (Month/Year)
Adult Tracking Label:	Kohl's Requirement	<u>Refer to Kohl's Tracking Label Section in the Labeling Guideline Policy.</u> TO BE MARKED AS PASS/FAIL: Kohl's Assigned Factory Number Manufacture Date (Month/Year) UPC #
Fiber Content	AATCC 20/20A Textile Fiber Products Identification Act 16 CFR 303 Wool Product Labeling Act-16 CFR 300 Fur Products Labeling Act – 16 CFR 301 Fur Product Identification Act – 15 U.S.C.69	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
Flammability	16 CFR 1610	Class 1 Test non-exempt fabrics must be tested in every color
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.
Performance Claims Protocol (401)	Refer to Protocol 401	All samples shall be reviewed against the requirements of the Performance Claims Protocol to determine if additional testing or labeling is required
Construction Quality		
Monofilament Thread (applicable to children only)	Visual	No monofilament thread allowed
Drawstrings and/or Ties (Children's of ALL ages)	ASTM F 1816-97	Must Comply with Kohl's Safety Requirement where specified
Fragile Trims	Visual	Sizes 0-5T: Must comply with Kohl's Safety Requirement Sizes over 5T & Adult: Report Actual Findings
Attachment Strength* Applies to Small Parts/Belt Loops/Zipper Tab etc.	16 CFR 1500.51-53 Pt. F (Saf Q)	Sizes 0-5T: No detachment at 17 lbs. for 10 seconds (Must test in original state, after 1 wash, and after 5 washes) Sizes over 5T & Adult: 15 lbs. for 10 seconds (Fragile trims: beads, rhinestones etc.= 5 lbs. for 10 seconds minimum)
Hook & Loop Fasteners	Visual	Must have rounded corners – Refer to Product Safety Policy
Sharp Points & Sharp Edges	CPSC 16 CFR 1500.48 - 49	No sharp points or sharp edges – Refer to Product Safety Policy

Knitting Defects	Visual	No defects allowed		
PHYSICAL PROPERTIES				
Product Weight	ASTM D 3776 Modified	Report Actual data in lbs/dozen		
Count	ASTM D 3887, ASTM D 3775 AATCC/ASTM TS-002	Tolerance +/- 5 % Max		
Yarn Size	ASTM D 1059	Tolerance +/- 5 % Max		
Dimensional Change to Home Laundering, or Hand Wash (If fit test is not applicable proceed with dimensional change)	AATCC 150 (3 washes) AATCC LP2 (Length X Width) Tide ® Powder Detergent	Wovens	Tier 1	Tier 2
		Shrinkage	3x3	3x3
		Growth	1x1	1x1
		Knits		
		all Knits	5x5	5x5
		growth	2x2	5x5
Sock/ Hosiery / Tights Fit testing	NAHM Fit Forms Original and After 3 washes Fit on smallest, middle and largest size form in the size range of socks	Satisfactory Fit Slightly tight fit on the largest size in range is acceptable. Slightly loose fit on the smallest size range is also acceptable. Hosiery and Tights must fit waist, leg, seat etc.		
Seam Bursting Strength - Knits	ASTM D 3786		Tier 1	Tier 2
		Regular Knit	30	30
		Laces/Sheer/Mesh Socks/Tight	15	15
Abrasion Resistance (for Children's and Adult products, Do Not Test for Infants, Newborn)	ASTM D 3886 (Multi Directional)	Casual - No Hole at 200 Cycles Athletic- No hole at 400 cycles		
COLORFASTNESS				
Colorfastness to Chlorine AND Non-Chlorine Bleach	AATCC/ASTM TS-001	Shade Change: Grade 4 min		
Colorfastness to Crocking	AATCC 8/116 Original State If results fail in original state, perform after 1 Wash/Dry Cycle	<u>All fabrics (except listed below):</u>		
			Tier 1	Tier 2
		dry	4.0	4.0
		wet	3.0	3.0
		<u>Pigment Dyed/Printed, Lightly Brushed, Sand Washed, Piled, Sulphur, Denim, Indigo & Silk blends:</u>		
		wet	2.0	2.0
Colorfastness to Perspiration – Acid Only	AATCC 15	Shade Change : Grade 4 min		
		Self Staining: Grade 4 min		
		Multi-fiber Staining: Grade 4.0 min		
ANALYTICAL				
Formaldehyde	Kohl's TM-5	Negative, If Spot Test is Positive, proceed with step 2		
	JIS L 1041:2000 –	Children <u>over 4</u> & Adults = 75 ppm max.		
	Sec. 5.3.1 (2) Method B, JIS Water Extraction Method	Children's 0-5T = 20 ppm max.		
pH Value	AATCC 81	All Colorways: 5.0 – 8.0 (zero tolerance)		
Appearance Retention	AATCC/ASTM TS-008 Modified Tide ® Powder Detergent	Must meet all applicable Kohl's Appearance Evaluation Requirements ** Adult Gripper Socks: Report color change of the grippers as DATA only		
ADDITIONAL COLORWAY TESTING				
Product Weight	ASTM D 3776 Modified	Report Actual data in lbs/dozen		
Flammability	16 CFR 1610	Class 1 Test non-exempt fabrics must be tested in every color		
Colorfastness to Chlorine AND Non-Chlorine Bleach	AATCC/ASTM TS-001	Shade Change: Grade 4 min		

Colorfastness to Crocking	AATCC 8/116 Original State If results fail in original state, perform after 1 Wash/Dry Cycle	All fabrics (except listed below):		
			Tier 1	Tier 2
		dry	4.0	4.0
		wet	3.0	3.0
		Pigment Dyed/Printed, Lightly Brushed, Sand Washed, Piled, Sulphur, Denim, Indigo & Silk blends:		
	dry	3.5	3.5	
	wet	2.0	2.0	
Colorfastness to Perspiration – Acid Only	AATCC 15	Shade Change : Grade 4 min		
		Self Staining: Grade 4 min		
		Multi-fiber Staining: Grade 4.0 min		
Formaldehyde	Kohl's TM-5 JIS L 1041:2000 – Sec. 5.3.1 (2) Method B, JIS Water Extraction Method	Negative, If Spot Test is Positive, proceed with step 2		
		Children over 4 & Adults = 75 ppm max.		
		Children's 0-5T = 20 ppm max.		
pH Value	AATCC 81	All Colorways: 5.0 – 8.0 (zero tolerance)		
Appearance Retention	AATCC/ASTM TS-008 Modified Tide ® Powder Detergent	Must meet all applicable Kohl's Appearance Evaluation Requirements ** Adult Gripper Socks: Report color change of the grippers as DATA only		
REQUIRED WHERE APPLICABLE AT ADDITIONAL COST				
Colorfastness to Water * (Color block fabrics & contrast trims)	AATCC 107	Shade Change : Grade 4 min		
		Self Staining: Grade 4 min		
		Multi-fiber Staining: Grade 4.0 min		
Colorfastness to Saliva * (0-36 months only)	64LFGB B 82.92-3, Part 1	Staining: Grade 4.5 min.		
Kohl's Durability Evaluation *	Kohl's Durability Evaluation Tide ® Powder Detergent	Fragile trims, heat transfer & screen prints - Must meet all applicable Kohl's Durability Evaluation Requirements		
Slip Resistance- Dry (slipper socks and booties with grippers only)	ASTM F609	Static: µ0.40 min. Kinetic: µ0.30 min.		
ANTIMICROBIAL – PROCEED WITH APPLICABLE TESTS BASED ON THE CLAIM/STATEMENT PROVIDED BY VENDOR				
"This product contains antimicrobial agent to control odors" * Test in original state & 1 and 10 launderings per garment care instructions	ASTM E3160 *Must be tested in an IAC Certified Lab *Lab must provide IAC verification # on testing report	Minimum 90% Reduction		
"Inhibits the growth of bacterial odors" Original and after 5 launderings per garment care instructions	AATCC 30 (test III)	No growth		
TOXICOLOGY TESTING – REQUIRED WHERE APPLICABLE AT ADDITIONAL COST				
Lead Content in Surface Coating – Scrapeable in each color *	CPSC-CH-E1003-09.1	Children of ALL Ages		
		<90 ppm (0.009% total weight)		
		Adults		
		<90 ppm max (0.009% total weight) from Spring 2014		
Refer to Kohl's Product Safety Policy for additional requirement on Composite Testing				
Total Lead in Substrate Material * (Accessible components)	CPSC-CH-E1002-08.1/CPSC-CH-E1001-08.1	Children's of ALL ages & Adults - ≤ 90 ppm max (0.009% total weight) Refer to Kohl's Product Safety Policy for additional requirement on Composite Testing		

Phthalates content	Consumer Product Safety Improvement Act of 2008 / 16 CFR 1307 / CPSC-CH-C1001-09.4 (Mod)	<p>Children's toys and childcare articles, before and after use and abuse testing, shall not contain concentrations of more than 0.1% BBP, DBP, DEHP, DINP, DIBP, DPENP, DHEXP, DIDP, DNOP, or DCHP individually.</p> <p>Component testing is allowed. Compositing up to 3 like materials is allowed. Product manufactured and imported as of April 25, 2018 must comply.</p>		
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	
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-C1001-09.4 (Mod)	Washington Children's Safe Products Act ≤ 90 ppm (lead) ≤ 40 ppm (Cadmium) ≤ 0.1% (DEHP, BBP, DBP, DINP, DIDP, DnHP, DnOP, DIBP, DnPP or DCHP) (individually or in combination) Note: Actual test would be performed on below suggested accessible materials.		
		Substances	Suggested materials	
		Lead	Follow CPSC lead	
		Cadmium	Follow CPSC lead	
		Phthalates	Coating and Plasticized materials	
		The Washington standard cannot be enforced for products to which a federal standard applies.		
(*) asterisk = ALL COLORWAYS MUST BE TESTED				
PRICING AND ADDITIONAL NOTE: *Please refer to Kohl's preferred third party labs for individual pricing and samples needed.				

PROTOCOL VERSION	DESCRIPTION OF CHANGE	DATE REVISION / APPROVED BY
212-6	<ol style="list-style-type: none"> Updated Formaldehyde method and requirement Added – pH full package and additional colorway Updated c/f crocking – Pigment Dyed/Printed, Lightly Brushed, Piled, Sulphur, Indigo Updated c/f perspiration – removed self staining requirements Updated c/f light - Neons/Brights/Whites/Pastels Shade Change Updated Lead in Surface Coating – reduced requirement to 90ppm for adult products Updated Soluble Heavy Metals – test method 	September 2013 Vinoth
212-7	Removed pricing for testing/took out Intertek/added approved lab statement	October/November 2014 Leah Gross-Hutchison
212-8	Updated pH for Whites	September 2015 Michelle Zydek
212-9	Added Appearance Retention to initial pkg req	May 2016 Jackie Deppisch
212-10	Lead, Cadmium and Phthalate in Washington Children's Safe Products Act	August 2016 Becky Becker
212-11	<ol style="list-style-type: none"> Attachment Strength - Added "(Must test in original state, after 1 wash, and after 5 washes)" for sizes 0-5T. Fragile Trims - updated size ranges to include 5T Formaldehyde - updated size ranges to include 5T Zipper Tab Twist - updated size ranges to include 5T 	February 2017 Becky Becker
212-12	1) Updated crocking requirements to read: "Pigment Dyed/Printed, Lightly Brushed, Sand Washed, Piled, Sulphur, Denim, Indigo & Silk blends"	May 2017 Becky Becker
212-13	<ol style="list-style-type: none"> Updated Phthalates in each plasticized part/material such as PVC, Vinyl Updated pH value to 5.0 - 8.0 (zero tolerance) 	October 2018 Becky Becker
212-14	1) Updated Tracking Label to include Adult Tracking label requirements	March 2019 Jackie Deppisch
212-15	1) Separated Adult Tracking Label & marked as DATA ONLY	March 2019 Jackie Deppisch
212-16	1) Updated colorfastness to saliva to the most current and requirements to match other protocols	March 2019 Charlene Swanson
212-17	<ol style="list-style-type: none"> Updated hand wash requirement to AATCC LP2 Updated Phthalates requirement to CPSC-CH-C1001-09.4 (Mod 	April 2019 Becky Becker
212-18	1) Updated Kohl's Appearance Retention to mark adult gripper sock color change as data	July 2019 Jackie Deppisch
212-19	Updated antimicrobial requirements	January 2020 Elizabeth Armstrong
212-20	Updated Adult Tracking Label to REQUIREMENT	March 2020 Jackie Deppisch
212-21	<ol style="list-style-type: none"> Updated test method for slip resistance Removed "Ultra" from Tide detergent 	April 2020 Charlene Swanson
212-22	Removed tier 3 from the protocol	Aug 2021 Elizabeth Armstrong
212-23	1) Added test line for all performance claims	March 2022 Becky Becker
212-24	Added 501 Supplemental Protocol	November 2022 Jackie Deppisch
212-25	Updated Format so test lines were all visible	December 2024 Kevin Makocy
212-26	<ol style="list-style-type: none"> Updated Total Lead in Substrate requirement to be 90 ppm instead of 100 ppm, per labs advisement/MN Law & include ADULTS in requirement Updated Phthalates to include DNOP and DIDP per labs advisement/ MN Law 	January 2025/ Jackie Deppisch