

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 | 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, product.integrity@kohls.com).**</i> | Kohl's Requirement | Refer to Kohl's Tracking Label Section in the Labeling Guideline Policy. 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 | 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 | Satisfactory Fit | | |
| 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 | ASTM D 3886 (Multi Directional) | Casual - No Hole at 200 Cycles | | |
| COLORFASTNESS | | | | |
| Colorfastness to Chlorine AND Non- | 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 | | |
| ANALYTICAL | | | | |
| Formaldehyde | Kohl's TM-5 | Negative, If Spot Test is Positive, proceed with step 2 | | |
| | JIS L 1041:2000 – | Children <u>over</u> 4 & Adults = 75 ppm max. | | |
| | Sec. 5.3.1 (2) Method B, JIS Water Extraction | 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 | | |
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| 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 * | 64LFGB B 82.92-3, Part 1 | Staining: Grade 4.5 min. | | | | | | | | |
| Kohl's Durability Evaluation * | Kohl's Durability Evaluation | Fragile trims, heat transfer & screen prints - Must meet all applicable | | | | | | | | |
| Slip Resistance- Dry (slipper socks) | ASTM F609 | Static: μ 0.40 min. | | | | | | | | |
| ANTIMICROBIAL – PROCEED WITH APPLICABLE TESTS BASED ON THE CLAIM/STATEMENT PROVIDED BY VENDOR | | | | | | | | | | |
| "This product contains | ASTM E3160 | Minimum 90% Reduction | | | | | | | | |
| "Inhibits the growth of bacterial odors" Original and after 5 launderings | 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 - <100 ppm max (0.010% 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) | 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 or DCHP individually. Component testing is allowed. Compositing up to 3 like materials is allowed. | | | | | | | | |
| 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. <table border="1"><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 and 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 and Plasticized materials |
| Substances | Suggested materials | | | | | | | | | |
| Lead | Follow CPSC lead | | | | | | | | | |
| Cadmium | Follow CPSC lead | | | | | | | | | |
| Phthalates | Coating and Plasticized materials | | | | | | | | | |
| (*) 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 Added – pH full package and additional Updated c/f crocking – Pigment Updated c/f perspiration – removed self Updated c/f light - Updated Lead in Surface Coating – reduced 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 Chi | 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 |