

**313-5
Foam Pads**

| PERFORMANCE | TEST METHOD | REQUIREMENT |
|---|---|--|
| INITIAL PACKAGE / FULL PACKAGE | | |
| Physical Properties | | |
| Identification of Foam Material | Fourier Transform Infrared (FTIR) Analysis | Provide Actual |
| Presence of BHT - Butylated Hydroxytoluene | Gas Chromatography - Mass Spectrometry (GCMS) Analysis | BHT 150 ppm Max |
| Analytical | | |
| Formaldehyde | Kohl's TM-5 (only for 4 years and up) | Negative, If Spot Test is Positive, proceed with step 2 |
| | JIS L 1041:2000 – Sec. 5.3.1 (2) Method B, JIS Water Extraction Method | Children over 4 T & Adults = 75 ppm max. Children's 0-4T = 20 ppm max. |
| pH | AATCC 81 | 6.0 - 8.0 |
| Dimensional Change | | |
| Dimensional Change to Home Laundering AND Dry Cleaning | AATCC 135/158(3 washes) / Dry Clean (1 cycle) Ultra Tide ® Powder Detergent | +3% / - 5% maximum in length |
| Appearance Retention after Laundering AND Dry Cleaning | AATCC/ASTM TS-008 Modified Ultra Tide ® Powder Detergent | Change after Wash and Dry Clean No obvious color change, delaminating, puckering, cracking, blistering, or bubbling |
| Colorfastness | | |
| Colorfastness to Chlorine Bleach AND Non-Chlorine Bleach | AATCC/ASTM TS-001 | Shade Change: Grade 4 min |
| Colorfastness to Perspiration | AATCC 15 | Shade Change: Grade 4 min Staining: Grade 4 min |
| Colorfastness to Crocking | AATCC 8/116 | Dry - Grade 4 min Wet - Grade 3 min |
| Colorfastness to Water | AATCC 107 | Shade Change: Grade 4 min Staining: Grade 4 min |
| Colorfastness to Atmospheric Fumes | AATCC 23 modified (test entire bra cup) (1 cycle) | Grade 4 min |
| ADDITIONAL COLORWAY TESTING | | |
| Appearance Retention after Laundering AND Dry Cleaning | AATCC/ASTM TS-008 Modified Ultra Tide ® Powder Detergent | Change after Wash and Dry Clean No obvious color change, delaminating, puckering, cracking, blistering, or bubbling |
| Colorfastness to Chlorine Bleach AND Non-Chlorine Bleach | AATCC/ASTM TS-001 | Shade Change: Grade 4 min |
| Colorfastness to Perspiration | AATCC 15 | Shade Change: Grade 4 min Staining: Grade 4 min |
| Colorfastness to Crocking | AATCC 8/116 | Dry - Grade 4 min Wet - Grade 3 min |
| Colorfastness to Water | AATCC 107 | Shade Change: Grade 4 min Staining: Grade 4 min |
| Colorfastness to Atmospheric Fumes | AATCC 23 modified (test entire bra cup) (1 cycle) | Grade 4 min |
| Formaldehyde | Kohl's TM-5 (only for 4 years and up) JIS L 1041:2000 - Method | Negative, If Spot Test is Positive, proceed with step 2 Children over 4 years & Adults = 75 ppm max. Children's 0-4T = 20 ppm max. |
| pH | AATCC 81 | 6.0 - 8.0 |
| REQUIRED WHERE APPLICABLE AT ADDITIONAL COST | | |
| Colorfastness to Sea Water* (Swimwear Only) | AATCC 106 | Shade Change: Grade 4 min Staining: Grade 4 min |
| Colorfastness to Chlorinated Pool Water* (Swimwear Only) | AATCC 162 | Shade Change: Grade 4 min |
| Peel Bond Strength (fused products only) | ASTM D2724 | >15.0 Newtons / 5cm (1500g/2") |

| 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 products ≤90 ppm (0.009% 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) ≤90 ppm (0.009% total weight) in each part of DEHP, DBP, BBP, DINP, DIDP, DNOP, & DNHP Refer to Kohl's Product Safety Policy for additional requirement on Composite Testing |
| Soluble Heavy Metals* Applies to Children's Toys | ASTM F 963-11 | 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

Initial Package: 20 foam pads of the darkest colorway

Additional Colorway: 10 foam pads per colorway

Toxicology Testing

Consult with approved lab for the number of samples

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

Turn Around Time = ROW: 6 working days; US: 10-12 working days

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.

| PROTOCOL VERSION | DESCRIPTION OF CHANGE | DATE REVISION / APPROVED BY |
|------------------|---|--|
| 311-1 | Protocol Created | March 2013 / Devon Engel |
| 311-2 | 1. Formaldehyde – Modified JIS method to Water Extraction. Updated Children 0-4T req. from 0.05 Absorbency to 20 ppm. | May 2013 / Vinoth Deenadayalan |
| 313-3 | Removed pricing for testing/took out Intertek/added approved lab statement | October 6th 2014/Nov. 31 2014/Leah Gross-Hutchison |
| 313-4 | Update Formaldehyde Method to B | December 5th 2014- Michelle Zydek |
| 313-5 | 1) Updated Total Lead in Substrate requirement to be 90 ppm instead of 100 ppm, per labs advisement | January 2025/Isaac Grossman |