

**307-10
Elastics**

PERFORMANCE	TEST METHOD	REQUIREMENT
INITIAL PACKAGE / FULL PACKAGE		
Physical Properties		
Fiber Content	AATCC 20/20A	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
Elastic Weight	ASTM D3776	Deviation from contracted weight (g/m): +/- 5% maximum
Elastic Type	Kohl's TM-10	Woven / Knit Description Provided by Supplier
Elastic Width	Kohl's TM-8	Report Actual Measurements in mm and inches
Analytical		
Formaldehyde	Kohl's TM-5 (only for 4 years and up) JIS L 1041:2000 - Method Sec. 5.3.1 (2) Method B, JIS Water Extraction 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
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	Color Change: Grade 4 min. Staining: Grade 4 min. Plus any additional comments
Strength & Durability		
Tension and Elongation of Elastic Fabrics (General Elastics Only)	ASTM D 4964 Modified (As received & after 10 washes) Machine Speed: 300 mm/min. Force: 10 lbf. load	Report Actual Readings Loop tension (load) at 30%, 50% & 70% elongation Elongation at maximum load Recovery: 90% min.
Stretch and Recovery of Elastic Fabrics (Intimates/Foundation Elastics Only)	Kohl's TM-20 Extension: 40%	Elongation: 85% min. Recovery: 80% Min.
Colorfastness		
Colorfastness to Chlorine Bleach AND Non-Chlorine Bleach (Exclude Encased Applications & Clear Stretch Tape)	AATCC/ASTM TS-001	Shade Change: Grade 4 min
Colorfastness to Perspiration (Exclude Encased Applications & Clear Stretch Tape)	AATCC 15	Shade Change: Grade 4 min Staining: Grade 4 min
Colorfastness to Crocking (Exclude Encased Applications & Clear Stretch Tape)	AATCC 8/116	Dry - Grade 4 min Wet - Grade 3 min
Colorfastness to Light (Exclude Encased Applications & Clear Stretch Tape)	AATCC 16.3-2012 20 AFU	Color Change: Grade 4 min
Colorfastness to Water (Exclude Encased Applications & Clear Stretch Tape)	AATCC 107	Shade Change: Grade 4 min Staining: Grade 4 min
ADDITIONAL COLORWAY TESTING		
Appearance Retention after Laundering AND Dry Cleaning	AATCC/ASTM TS-008 Modified Ultra Tide ® Powder Detergent	Color Change: Grade 4 min. Staining: Grade 4 min. Plus any additional comments
Colorfastness to Chlorine Bleach AND Non-Chlorine Bleach (Exclude Encased Applications & Clear Stretch Tape)	AATCC/ASTM TS-001	Shade Change: Grade 4 min
Colorfastness to Perspiration (Exclude Encased Applications & Clear Stretch Tape)	AATCC 15	Shade Change: Grade 4 min Staining: Grade 4 min
Colorfastness to Crocking (Exclude Encased Applications & Clear Stretch Tape)	AATCC 8/116	Dry - Grade 4 min Wet - Grade 3 min

Colorfastness to Light (Exclude Encased Applications & Clear Stretch Tape)	AATCC 16.3-2012 20 AFU	Color Change: Grade 4 min
Colorfastness to Water (Exclude Encased Applications & Clear Stretch Tape)	AATCC 107	Shade Change: Grade 4 min Staining: Grade 4 min
pH	AATCC 81	6.0 - 8.0
REQUIRED WHERE APPLICABLE AT ADDITIONAL COST		
Colorfastness to Sea Water* (Swimwear Only AND Exclude Encased Applications & Clear Stretch Tape)	AATCC 106	Shade Change: Grade 4 min Staining: Grade 4 min
Colorfastness to Chlorinated Pool Water* (Swimwear Only AND Exclude Encased Applications & Clear Stretch Tape)	AATCC 162	Shade Change: Grade 4 min
Resistance to Saliva* (Children Only - under 36 months)	64 LFGB B82.92-3 Part 1	Staining: Grade 4.5 min Shade Change: Grade 4.0 min
Formaldehyde	Kohl's TM-5 (only for 4 years and up) JIS L 1041:2000 - Method Sec. 5.3.1 (2) Method B, JIS Water Extraction Method	Negative, If Spot Test is Positive, proceed with step 2
		Children over 4 T & Adults = 75 ppm max.
		Children's 0-4T = 20 ppm max.
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) < 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

Basic Submission - An individual elastic product. The basic submission represents one style number in the supplier's line. Submit one width in the darkest color.

Minimum Sample Size Necessary for Testing

Initial Package:

Elastic Tape = 12 meters (13 yds) of darkest colorway

Elastic Thread = 30 meters (33 yds) of darkest colorway

Additional Colorway:

Elastic Tape = 10 meters (11 yds) per colorway

Elastic Thread = 25 meters (27 yds) per colorway

Toxicology Testing

Consult with approved lab for the number of samples

Applicant is to select appropriate number of fabric layers based on end use application.

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

Turn Around Time = 6 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
307-1	<ol style="list-style-type: none"> Appearance Retention – Changed test method to AATCC/ASTM TS-008 Modified. Added – Colorfastness to Saliva test Changed Formaldehyde Test Requirements Removed Colorfastness to Laundering/Dry Cleaning test Lead Content for Scrapable Surfaces – Changed requirement from 600 ppm to 90 ppm. Added – Lead Content Total Substrate, Heavy Metal Content and Phthalate test for children’s products Tension & Elongation Test – Modified test method. Added – Stretch & Recovery Test for Intimates/Foundation Elastics. 	Nov. 2008/Ro Jain
307-2	<ol style="list-style-type: none"> Lead Content in Surface coating – Updated test method to CPSC-CH-E1003-09 Lead in Substrate – Updated test method to CPSC-CH-E1002/CPSC-CH-E1001-08 and requirement <100 ppm from spring 2011 	Nov. 2009/Ro Jain
307-3	<ol style="list-style-type: none"> KAR & Dimensional Change Test – Added "Ultra" to Tide Detergent. Elastic Width - Assigned test method # to Kohl's TM-8. Elastic Type – Assigned test method # to Kohl's TM-10. Lead in Surface Coating – Updated method to CPSC-CH-E1003-09.1. Added Adult requirement, <90 ppm. Total Lead Substrate – Updated method to CPSC-CH-E1002-08.1/CPSC-CH-E1001-008.1. Added Phthalates & Heavy Metals to protocol. Dimensional Change – Changed requirement from +/-5% to +3% / -5% maximum. Tension & Elongation of Elastic Fabrics – Changed Recovery requirement from 85% to 90% min. Stretch & recovery – Changed test method from Intertek USA # 445 Modified to Kohl's TM-20. Resistance to Saliva – Changed method from Section 35 LMBG 82.10 to 64 LFGB B82.10-1. Added Shade Change requirement. 	Nov. 2011/Amy Her
307-4	<ol style="list-style-type: none"> Lead in Substrate test – Starting Spring 2013, test is required on Adult products. Toxicology tests required on both Children & Adult products 	Sept. 2012 / Vinoth Deenadayalan
307-5	<ol style="list-style-type: none"> Added Formaldehyde to required Analytical section of testing report. Added pH to required Analytical section of testing report. Heavy Metals – Updated test method to ASTM F963-11 	March 2013 / Devon Engel
307-6	<ol style="list-style-type: none"> Removed "starting spring 2013" statement Added "coatings shall be tested" statement to the Phthalates test Heavy Metals – updated test method to ASTM F963-11 Formaldehyde – Modified JIS method to Water Extraction. Updated Children 0-4T req. from 0.05 Absorbency to 20 ppm. C/f to Light – Updated test method to AATCC 16.3-2012. 	May 2013 / Vinoth Deenadayalan
307-7	Removed pricing for testing/took out Intertek/added approved lab statement	October 6th 2014/Nov. 31 2014/Leah Gross-Hutchison
307-8	Added Formaldehyde	December 4th 2014- Michelle Zydek
307-9	<p>Added phthalate requirements Added Soluble Heavy Metal version update Updated Formaldehyde version update</p>	October 2018-Deppisch
307-10	Updated Total Lead in substrate requirement to be 90 ppm instead of 100 ppm, per labs advisement/MN Law	January 2025- Jackie Deppisch