



CHILDREN KNIT GARMENTS

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TEST DESCRIPTION	REGULATION/TEST METHOD	REQUIREMENTS
MANDATORY		
Sew-in Label Verification - Fiber Content - Country of Origin - Care Instructions - Registration Number (RN) or Wool products Registration Number (WPL)	FTC Textile Fiber ID Act 16 CFR 303 16 CFR 300 19 CFR 134	Must Comply
Fiber Content	AATCC 20/20A	Single fiber ± 0.0% Blends ± 3.0%
Wearing Apparel Flammability	16 CFR Parts 1610	Shall meet Class 1 requirements
Dimensional Stability to Laundering	AATCC 150	% Length % Width 5 X 7
Dimensional Stability to Dry Cleaning	AATCC 158	% Length % Width 3 X 3
Colorfastness to Laundering/ Dry Cleaning	AATCC 107	Shade Change: Grade 4 minimum Staining: Grade 3 minimum Self –Staining: Grade 5/ No Self Staining
General Appearance After Laundering 3 Home Launderings	Visual Evaluation	- No open raveling, open seams, or tufting damage. - No obvious defects/observations affecting the end product performance/appearance. - Color Change: Grade 4 - Self staining: Grade 4 - List all observations
Colorfastness to Chlorine Bleach	AATCC TS-001	Grade 4
Colorfastness to Non-Chlorine Bleach	AATCC TS-001	Grade 4
Colorfastness to Crocking	AATCC 8/116	Dry: Grade 4 minimum Wet: Grade 3 minimum
Drawstrings	Visual / Actual Measurement CPSC Guideline, ASTM F 1816, New York State Law 391.b and Amendment Wisconsin State Law ATCP 139	<u>Hood and Neck Area (age 12 and under)</u> Functional hood and neck drawstrings are not allowed at all on any children’s clothing <u>Bottom and Waist Areas on all garments (age 16 and under)</u> <u>Functional:</u> May not exceed 3 inches in length when garment is expanded to its fullest width. Drawstrings must be bartacked at center back. <u>Non-Functional:</u> 24 mon and under: May not exceed 3 inches in length when extended to its fullest width Size 2 and above: May not exceed 5.5” inches in length when extended to its fullest width. No toggles, knots or attachment at the free ends. Must be finished at both ends.



Total Lead Content in Substrate Material	CPSIA, Section 101 CPSC-CH-E1001-08.3 (metallic substrates) CPSC-CH-E1002-08.3 (nonmetallic substrates)	≤100 ppm - Exclude mill-dyed and mill printed fabrics and threads. - Exclude Natural material in natural state, treated without added lead or substrate with coating removed e.g. leather or fur														
Total Lead in Surface Coating	16 CFR 1303	≤ 90ppm All accessible coating														
Sharp Points/Sharp Edges (under 8 years of age)	16 CFR 1500.48/49	Not allowed														
Small Parts (Age 3 and under only)	16 CFR 1501	Intended for children under 36 months (3 years) of age shall not include removable, liberated components, or fragments of toys before or after use and abuse														
Tracking labels for children's products	Consumer Product Safety Improvement Act of 2008	A permanent and distinguishing mark on the product and its packaging, to the extent practicable, enabling the manufacturer and purchaser to ascertain the name of the manufacturer or private labeler, location and date of production of the product.														
Washington lead, cadmium and phthalates on children's product	Washington Children's Safe Products Act (CSPA)	≤40 ppm Cadmium; ≤90 ppm Lead; ≤1000 ppm Phthalates (combined).														
New York Toxic chemicals in children's products	The Toxic Free Toys Act (Albany, Suffolk County)	<table border="1"> <thead> <tr> <th>Compound</th> <th>Max. levels in ppm</th> </tr> </thead> <tbody> <tr> <td>Antimony</td> <td>60 (soluble)</td> </tr> <tr> <td>Arsenic</td> <td>25 (soluble)</td> </tr> <tr> <td>Cadmium</td> <td>75 (soluble)</td> </tr> <tr> <td>Lead in surface coating</td> <td>90 (soluble)</td> </tr> <tr> <td>Lead in substrates</td> <td>100 (total)</td> </tr> <tr> <td>Mercury</td> <td>60 (Soluble)</td> </tr> </tbody> </table>	Compound	Max. levels in ppm	Antimony	60 (soluble)	Arsenic	25 (soluble)	Cadmium	75 (soluble)	Lead in surface coating	90 (soluble)	Lead in substrates	100 (total)	Mercury	60 (Soluble)
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STATES REGULATIONS																
Total heavy metals in packaging	Toxics in Packaging Clearinghouse (TPCH)	Packaging shall not contain the sum of mercury, cadmium, lead and chromium (VI) in concentration above 0.01% by weight.														
Plastic Bag Warnings	Various state laws	Plastic bags with a thickness of less than 1 mil (0.001 inch) having an opened end larger than 5 inches in diameter shall contain the following warning statement or equivalent: WARNING: To avoid danger of suffocation, keep this plastic bag away from babies and children. Do not use this bag in cribs, beds, carriages or playpens. This bag is not a toy.														
California Prop 65	Warning label or applicable testing	In lieu of warning label, product should meet all applicable Prop 65 requirements.														
OPTION (QUALITY & PERFORMANCE)																
Thread Count	ASTM D3775	Thread Count														
Weight	ASTM D3776	As Specified (+/- 5%)														
Yarn Size	ASTM D1059	As Specified (+/- 10%)														
Formaldehyde (Spot Test)	AATCC 94	No Trace If trace is found - proceed with full testing														
Formaldehyde	JIS 1041 LAW 112	Children < 36 months – A-Ao = 0.05 (equals 16 ppm) Children > 36 months = 75 ppm														
pH of Water Extract	pH of Water Extract	Whites: 5.5 - 6.5, Others: 6 - 8														
Colorfastness to Perspiration	AATCC 15	Shade Change: Grade 4 minimum Staining: Grade 3 minimum														
Colorfastness to Light	AATCC 16 Option 3 40 hours	Step 4														
Torque	AATCC 179 Method 2,	5.0% Max														



	Option 3	
Bursting Strength	ASTM D 3786	50 PSI
Seam Strength	ASTM D 1683	All Seams: 30 lbs. Minimum Bartacks and reinforcements: 20 lbs. Min
Pilling Resistance Random Tumble Pilling Resistance	ASTM D3512	Grade 3.5 Minimum after 30 minutes
Pilling Resistance – ICI Pilling Method (Sweaters Only)	IWS 152 / BS 5811 / BS EN ISO 12945- 1	Lambswool, Merino, Cashmere and Blends: after 2 hours All others : after 4.0 hours Grade 3.0 Minimum
Attachment Strength Snaps Buttons, Shanks, Rivets, etc. Hand-Sewn Beads, Sequins, etc.	ASTM D7142 Opt. 2 16 CFR 1500.50-53 16 CFR 1500.50-53	15 lb. / 10 sec. 15 lb. / 10 sec. 5 lb. / 10 sec
Zipper Operability (open/close)	ASTM D2062	3 lb. maximum