



Hong Kong Standards and Testing Centre

10 Dai Wang Street, Taipo Industrial Estate, NT, Hong Kong

Tel: (852) 2666 1888 Fax: (852) 2663 9612 Email: tcd@hkstc.org

Cords/Strings/Elastics Requirements of Different Countries for Toys Testing

Standard	USA ASTM F963-08	Europe EN71 Part 1 : 2005	Australia/New Zealand AS /NZS ISO 8124 -1: 2002	Canada CHPA
Cords and Elastics on Toys	Under 18 mths. Cord < 12 in. (300 mm) measured at free state and under 5 lb. (2.25 kg) load, perimeter of loop do not allow the passage of head probe under 10 lb. (45 N) force (4.14.1)	Under 36 mths. Cord (thickness) ≥ 1.5mm (free length) = 220 mm (noose perimeter) = 380mm all under 25 N loading. Cords across cradle, cots = 750 mm under 25 N and = 40% longer than its relaxed length. Warning statement (5.4)	≤18 mths. free length <220mm under a 25 N load. Form a noose or loop <360mm under a 25N load. Cord thickness ≥1.5mm (4.11.1)	18 mths.(stretched) = 175 % of (unstretched), or (full stretched) = 30 in. (0.75 m) (931 item 26)
Self Retracting Pull Cords	Under 18 mths. Cord retract ≤ 1/4 in. (6 mm) under a 2 lb. (0.9 kg) load. Mono-filament, f ≤ 1/16 in. (2 mm): not retract under a 1 lb. (0.45 kg) load (4.14.1.1)	Under 36 mths. Max recoild force < 10 N.	≤18 mths. shall not retract more than 6.4mm under 0.9kg. Mono-filament (dia.<2mm) shall not retract more than 6.4mm under 0.45 kg.(4.11.2)	No Requirement
Pull Toys	Under 36 mths. Cord > 12 in. (300 mm) shall not have beads or other attachments (4.14.2)	Same as above.	≤36 mths. if a length more than 220 mm - shall not have beads or other attachments (4.11.3)	No Requirement
String and Lines for Flying Devices	Line > 6 ft. (1.8 m) : electric resistivity > 10 ⁸ Ω.cm (4.14.3)	Line > 2 m - electrical resistivity > 10 ⁸ Ω.cm (4.13) Warning statement required	Line > 1.8 m - electrical resistance > 10 ⁸ Ω/cm. Warning statement Required (4.11.7)	Strings must not be made of electrically conducting material (HPA, Schedule1, part 1, item 11)
Cords on Toy Bags for Children up to 18 months	Opening perimeter > 14 in (360 mm) shall not have a drawstring or cord as means of closing. (4.14.4)	No Requirement	No Requirement	No Requirement