

ASTM F834-84 (2008) Toy Chests

The **ASTM Subcommittee F15.22** is proposing a revision (work item [ASTM WK19432](#)) to remove the requirements for **toy chests** from ASTM F963-07^{e1}. The reason is that toy chests are considered as children’s furniture and have their own set of safety requirements that are already covered in **ASTM F834, Toy Chests**.



ASTM F834, the current edition approved in June 1984, was reviewed and re-approved in 2008. The performance requirements and test methods are technically identical to those as described in ASTM F963-07^{e1} for toy chests, and are applicable to products known as toy chests or toy boxes having a **volume of 1.1 ft³ (0.031 m³) or more** that are designed and marketed as storage containers for toys.

In brief, the safety requirements of toy chests cover 3 aspects, namely **General requirements, Performance Requirements** and **Labeling Requirements**.

Requirement	Description of Details
General Requirements	<ol style="list-style-type: none"> All finishes & surface coating materials – conform to Lead Paint Rule (16 CFR 1303). Free of mechanical hazards – e.g., sharp points, sharp metal & glass edges, accessible small parts. No potential hazards resulted from simulated use & abuse tests of children’s articles (16 CFR 1500).
Performance Requirements	<p>Lid Support:</p> <ol style="list-style-type: none"> Toy chests with vertically opening hinged lids shall be provided with lid-support mechanism to prevent sudden collapse or dropping of the lid. The toy chest lid, after the 7000 cycles of opening and closing, shall continue to comply with this lid support requirement. <p>Hinge-Line Clearance:</p> <ol style="list-style-type: none"> Gap that admits a 0.19-inch [4.8 mm] diameter rod shall also admit a 0.5-inch [12.7 mm] diameter rod at all positions of the arc of travel of the moveable portion. <p>Closures:</p> <ol style="list-style-type: none"> Toy chest closures (e.g., lids, covers, and doors) shall not be fitted with automatic locking devices. Closures and lids shall be of a type that can be opened with a force of 10 lbf (44.5 N) or less. <p>Ventilation:</p> <ol style="list-style-type: none"> Provision of an unobstructed ventilation area greater than a total of 2.0 in² [1,290.32 mm²] over 2 or more separate openings situated at least 6 in. [152.4 mm] apart. The ventilation openings shall be unobstructed when the toy is placed on the floor in any position and adjacent to two vertical plane surfaces meeting at a 90° angle, so as to simulate the corner of a room. The ventilation area is not required if the continuous space within the toy chest is subdivided by a permanent partition or bars (2 or more) which limit the continuous space by making the largest internal dimension (excluding diagonal measurements) less than 6 in.[152.4 mm].

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Labeling Requirements	<p>Labeling:</p> <ol style="list-style-type: none"> 1. Permanently and conspicuously labeled to identify the name and address (city, state, and zip code) of either the manufacturer, distributor, or seller. 2. Provided with a code mark on the toy chest and either on the packaging or on the shipping container which will identify the date (month and year) of manufacture and permit future identification of any given model. 3. Model number shall be changed whenever the toy chest undergoes a significant structural design or material modification, or a change that affects its conformance with this consumer safety specification. <p>Instruction Literature:</p> <ol style="list-style-type: none"> 1. Instructions for proper assembly and maintenance shall be provided in sufficient detail to describe the correct assembly of components, the resulting hazard if the lid support device is not installed, and a description of how to determine if the support is working properly.

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