



Implications of the New Toy Directive (2009/48/EC) EN71-1:2011 Safety of Toys

For products first placed on the European market from July 20, 2011, there will be new legal requirements for toys resulting from the new Toy Directive 2009/48/EC.

A revised version of EN71-1 (Mechanical and Physical properties of toys) has just been published to reflect these new requirements. Some of the changes mean that toys which have complied with EN 71-1 in the past may require modification to ensure continued compliance with EN71-1:2011. In addition, other amendments have also been made to EN71-1 which may similarly require manufacturers to consider their designs.

The Challenge:

1) Soft filled toys

The seams of soft-filled toys containing fibrous filling material shall be subjected to a force of 70N, and it shall not be possible to insert the front part of a 12 mm diameter rod with a fully radiused end through any opening in the seam or cover material by more than 6 mm using a maximum force of 10 N.

2) Mouth actuated toys

There are now requirements on toys intended to be put in the mouth, regardless of whether they are mouth actuated. For example toys intended to be put in the mouth, removable mouthpieces and other removable components of toys intended to be put in the mouth shall not fit entirely in the small parts cylinder.

In addition, mouthpieces and other components of toys intended to be put in the mouth, excluding mouth-actuated projectile toys, if detached when tested first according to soaking test and then according to torque test and tension test, shall not fit entirely in the small parts cylinder.

3) Cords (among a number of changes to the requirements are the following:)

Cords with a free end on toys (excluding pull-along toys) intended for children under 18 months shall have a free length not exceeding 300 mm.

Toys (excluding pull-along toys) intended for children over 18 months, but under 36 months, having cords with a free end and a free length exceeding 300 mm, shall carry the warning: "Warning. Not suitable for children under 18 months. Long cord/Long chain. Strangulation hazard." on the toy or packaging.

Cords with a free end on pull-along toys intended for children under 36 months shall have a free length not exceeding 800 mm.

4) Packaging

Packaging shall not be in the form of a small ball regardless of the age for which the toy is intended. In addition any separable part of packaging which is ovoid or ellipsoidal in shape shall not pass through template E unless it has a major dimension of 64 mm or more. The same applies to any separable part of cylindrical packaging with rounded ends.

Hemispheric shaped packaging for toys intended for children under 36 months must comply with the requirements for hemispheric shaped toys.

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5) Warnings

Warnings which determine the decision to purchase must be visible to the consumer before the purchase is made. This also applies to on-line sales or catalogue sales.

Warnings must be preceded by the word "Warning". Even if the graphical age warning symbol is used, this must be accompanied by the word "Warning".

6) Inflatable toys

Some requirements on air inflation inlet stoppers now apply to all inflatable toys and not just aquatic toys. For example, all air-inflation inlets with stoppers shall have the stoppers permanently attached to the toy. The stopper, or any part of it, if detached when tested according to torque test, and tension test shall not fit entirely in the small parts cylinder.

In addition, aquatic ride-on toys larger than 1.2 m shall fulfill the applicable requirements for floating leisure articles, Class A devices in EN 15649-3.

These are just examples of the changes and you should consult the standard itself for any others which may apply to your toy.

The Solution:

Intertek, through our extensive global network, has a variety of services available to help you overcome the challenges related to complying with the new directive. Besides keeping you updated on any new developments from time to time, Intertek provides legal, regulatory and strategic consulting, testing, and implementation programs for compliance to the new directive, enabling you to meet your business objectives.

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新玩具指令(2009/48/EC) EN71-1: 2011 玩具安全要求釋意

根據新的玩具指令 2009/48/EC，2011 年 7 月 20 日起在歐洲市場新上市銷售的玩具產品必須符合新的玩具法規要求。

剛剛發佈的 EN71-1(玩具的機械和物理性能) 修訂版即發映出這些新要求。根據某些修改後的內容，以前符合 EN 71-1 的玩具可能需要修改設計，以確保繼續符合 EN71-1:2011 的要求。而且，EN71-1 的其他修改可能也需要生產商重新考慮產品的設計。

挑戰：

1) 軟填充玩具

含有纖維填充材料的軟填充玩具，其接縫需進行 70N 的拉力測試，並且在使用最大 10N 的力量下，接縫的任何縫隙不能插入直徑為 12mm 的帶有完全倒圓形末端的測試棒的前端，或者表面材料不能插入直徑為 6mm 的測試棒。

2) 嘴部驅動玩具

對於可供放入口中的玩具，不論是否由嘴部驅動，新法規都有相關要求。以可供放入口中的玩具為例，可拆卸的吹口或其他可拆卸的部件不可以完全容入小部件容量筒中。

另外，玩具中可供放入口中的吹口和其他部件，不包括由嘴部驅動的拋射玩具，在依次進行浸泡測試、扭力測試和拉力測試的過程中被拆卸下來後，不可以完全容入小部件容量筒中。

3) 繩索 (這部分要求有較多變化，其中包括：)

供 18 個月以下兒童使用的玩具上如果一端帶有鬆散的繩索(不包括拉拽玩具)，則繩索鬆散部分的長度不得超過 300 毫米。

供 18 個月以上 36 個月以下兒童使用的玩具(不包括拉拽玩具)，如果一端帶有鬆散的繩索，而且繩索鬆散部分的長度超過 300 毫米，則玩具或其包裝上應附有警告：“警告。不適合 18 個月以下兒童。帶有長繩 / 長鏈。勒束危險。”

供 36 個月以下兒童使用的一端帶有鬆散繩索的拉拽玩具，其鬆散繩索的長度不應超過 800 毫米。

4) 包裝

不論供何種年齡段使用的玩具，其包裝外形不能採用小球形狀。而且，包裝上任何可分離的部位不能是卵形或橢圓形，並且不能可以通過測試模 E，除非其較大一邊的尺寸為 64 毫米或以上。帶有圓形末端的圓柱形包裝上任何可分離的部件也要符合這項要求。

供 36 個月以下兒童使用的玩具，如果採用半球形包裝，則其包裝必須符合半球形玩具的相關要求。

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5) 警告

如果產品的警告語可能影響消費者的購買決定，則警告語必須貼示在明顯位置，並且可以清晰辨識，讓消費者在購買前就能看到。這項要求同樣適用於網路或者以產品目錄形式銷售的產品。

警告語的最前面必須有“Warning”(警告)字樣。即使產品使用年齡警告圖示符號，也必須附有“Warning”(警告)字樣。

6) 充氣玩具

現在，不僅是水中玩具，所有充氣玩具都要符合有關充氣入口阻塞物的某些要求。例如，所有帶阻塞物的充氣入口中的阻塞物必須永久附著在玩具上。阻塞物或其任何部分，如果在扭力測試中脫離，則在拉力測試中不可以完全容入小部件容量筒中。

另外，大於 1.2 米的水中騎乘玩具，應符合 EN 15649-3 中有關 Class A 設備休閒漂浮物品的適用要求。

上述僅列舉了新標準中的部分修改內容。有關涉及您產品的具體要求，請參考新法規，或諮詢 Intertek 專家瞭解詳情。

解決方案：

Intertek 擁有遍佈全球的實驗室網路和分支機構，可以根據新指令的要求，提供全面細緻的解決方案，幫助您符合相關要求。我們將隨時為您傳遞新指令的最新進展，提供法律法規和策略諮詢、測試服務，以及符合性計劃實施等，幫助您將產品順利行銷國際市場，獲得商業成功。

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