

EN 1811:2011+A1:2015 镍释放

以下含镍物品不可投放于欧盟市场:

- (a) 物品中任何组件会穿刺耳朵或人体其它部位, 及;
- (b) 物品直接或长期接触皮肤例如耳环, 项链, 手镯和手链, 脚链, 戒指, 表壳、表带、衣服中自带的按扣、铆钉、拉链和金属标识等,

除非物品中镍释放的速率低于REACH附录17第27项要求中规定的迁移限值。

符合要求必须遵守欧洲委员会(CEN)于2012年通过之标准EN 1811:2011, 该标准规定了穿刺人体部位的物品组件和直接或长期接触皮肤的物品的镍释放量。

考虑到测量中的不确定因素, 标准EN 1811:2011 + A1:2015作为EN 1811:2011的修订版于2015年6月20日正式通过, 此标准用于判定产品是否符合REACH附录17第27项的要求。

如产品的镍释放大于或等于EN 1811:2011+A1:2015中规定的迁移限值, 则该产品被视为不符合要求。

	组件和穿体装饰	直接和长期接触人体皮肤的物品部件
REACH的镍释放迁移限值要求	0.2µg/cm ² /周	0.5µg/cm ² /周
EN1811:2011+ A1:2015的镍释放迁移限值要求	0.35µg/cm ² /周	0.88µg/cm ² /周

镍虽被归类为致癌、致基因突变及生殖毒性(CMR)2类物质, 但是常用于合金生产中, 包括不锈钢、镍电镀、电池、含镍化学物、和某些不受限制的消费品中, 这些产品的镍含量等于或小于1%。镍因其耐腐蚀性及高导电性, 还常被用于玩具和儿童珠宝产品中。除了不锈钢制成的玩具和配件, 和用于导电的配件以外, 直接或长期与皮肤接触的由合金制成的玩具和玩具配件, 必须按EN 1811:2011+A1:2015标准(如指令2009/48/EC附录II附件A所允许)进行检测, 以符合TSD 2009/48/EC和REACH要求。

如欲了解更多相关信息, 请与我们玩具及儿童产品部联系:

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Release of Nickel by EN 1811:2011+A1:2015

Nickel containing articles shall not be placed on the EU market if nickel has been used

- (a) in any post assemblies which are inserted into pierced ears and other pierced parts of the human body; and
- (b) in articles intended to come into direct and prolonged contact with the skin such as earrings, necklaces, bracelets and chains, anklets, finger rings, wrist-watch cases, watch straps and tighteners, rivet buttons, tighteners, rivets, zippers and metal marks, when these are used in garments,

unless the rate of nickel release is less than the migration limits as set under entry 27 of Annex XVII of REACH requirements.

Compliance to the requirements should be demonstrated by the standard EN1811:2011 adopted by the European Committee for Standardization (CEN) in 2012 for release of nickel from post assemblies which are inserted into pierced part of human body and articles intended to come into direct and prolonged contact with the skin.

On 20 June 2015, the standard EN1811:2011 + A1:2015 was approved as amendment to the standard EN1811:2011 for the decision of compliance or non-compliance to the requirements of entry 27 of Annex XVII of REACH by taking into account of the measurement uncertainty.

An article will be deemed to be non-compliant when its nickel release is greater than or equal to the migration limit as determined by EN1811:2011 + A1:2015.

	Post assemblies and body piercings	Parts of articles coming into direct and prolonged skin contact
Migration limit of nickel release under REACH	0.2µg/cm ² /week	0.5µg/cm ² /week
Migration limit of nickel release as determined by EN1811:2011+ A1:2015	0.35µg/cm ² /week	0.88µg/cm ² /week

Nickel is classified CMR category 2 but is used commonly in the production of alloys including stainless steel, nickel plating, batteries, nickel containing chemicals, and certain unrestricted consumer products where the nickel concentrations equal to or smaller than 1%. Nickel is also used in toys and children's jewelries due to its resistance to corrosion and high electrical conductivity. Except toys and toy components made of stainless steel and toy components which are intended to conduct electric current (as permitted by Appendix A of Annex II to Directive 2009/48/EC), toys and toy components made of metal alloys intended to come into direct and prolonged contact with the skin should be tested by the standard EN1811:2011+A1:2015 for compliance to TSD 2009/48/EC and REACH.

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