



Standard Consumer Safety Specification for Constant Air Inflatable Play Devices for Home Use¹

This standard is issued under the fixed designation F2729; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This consumer safety specification establishes performance requirements, test methods, and labeling requirements to promote the safe use of constant air inflatable play devices for private home use. Constant air inflatable play devices for home use that incorporate water play features and do not retain water are not considered as portable pools. Constant air inflatable play devices for home use that incorporate water play features and are intended to hold water for wading or water recreational purposes are applicable to the marking and labeling section of this specification. This specification does not apply to stored air inflatable swimming pools or sealed inflatable devices whether or not they retain water.

1.2 This consumer safety specification provides safety requirements for various types of constant air inflatable play devices for home use intended for children aged from two (2) years through twelve (12) years.

1.3 This consumer safety specification is intended to reduce the risk of death and minimize serious injury to children resulting from use of constant air inflatable play devices for home use.

1.4 No constant air inflatable play devices for home use produced after the approval date of this consumer safety specification shall, either by label or other means, indicate compliance with this specification unless it conforms to all requirements contained herein. The following statement is suggested for use in identifying a product that conforms to all requirements in this specification:

1.4.1 “This product conforms to ASTM F2729, Standard Consumer Safety Specification for Constant Air Inflatable Play Device for Home Use.”

1.5 The test values and dimensions stated in SI units are to be regarded as standard. The inch-pound values in parenthesis, when given, are for information only.

1.6 General Measures, Tolerances, and Conversions:

1.6.1 The general tolerances for this specification (unless otherwise specified) are as follows:

Dimension Tolerance

$X \pm 12.7 \text{ mm}$ ($X \pm 0.5 \text{ in.}$)

$X.X \pm 1.27 \text{ mm}$ ($X.X \pm 0.05 \text{ in.}$)

$X.XX \pm 0.127 \text{ mm}$ ($X.XX \pm 0.005 \text{ in.}$)

These tolerances still apply to a dimension even when terms like greater than, less than, minimum, or maximum are used.

1.6.2 The values stated in SI units are to be regarded as standard. The values given in parentheses are mathematical conversions to inch-pound units that are provided for information only.

1.6.3 The conversion factor from SI to inch-pound units is $25.4 \text{ mm} = 1 \text{ in.}$, and $0.45359 \text{ kg} = 1 \text{ lb.}$

1.7 The following precautionary caveat pertains only to the test methods portion of this consumer safety specification: *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 ASTM Standards:²

D1683 Test Method for Failure in Sewn Seams of Woven Apparel Fabrics

D2240 Test Method for Rubber Property—Durometer Hardness

D5034 Test Method for Breaking Strength and Elongation of Textile Fabrics (Grab Test)

F963 Consumer Safety Specification for Toy Safety

2.2 Federal Regulations:³

16 CFR 1303 Ban of Lead-Containing Paint and Certain Consumer Products Bearing Lead Containing Paint

16 CFR 1500 Federal Hazardous Substances Act regulations, including sections:

1500.44 Method for Determining Extremely Flammable and Flammable Solids

¹ This specification is under the jurisdiction of ASTM Committee F15 on Consumer Products and is the direct responsibility of Subcommittee F15.61 on Constant Air Inflatable Play Devices for Home Use.

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² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

³ Available from U.S. Government Printing Office Superintendent of Documents, 732 N. Capitol St., NW, Mail Stop: SDE, Washington, DC 20401, <http://www.access.gpo.gov>.