

# 热水袋检验服务

## 挑战



为了减少因热水袋爆裂或渗漏导致的死亡和伤害，欧美各国制定了相应的热水袋安全标准。澳大利亚最近颁布了《2008行业操作法规(消费品安全标准)热水袋》法规，该法规引用了英国标准BS1970:2006的一些要求作为强制性规定，主要针对产品的物理特性(如材料厚度)、强度和防渗漏性能，以及使用标签等。该法规适用于2008年6月1日起澳大利亚生产或进口的所有热水袋。

## 我们的解决方案



Intertek天祥集团经过多年的潜心研究，可为您提供以下有关热水袋的安全性能测试项目：

### 热水袋测试标准：

由橡胶和PVC制成的热水袋--规范要求BS 1970:2006

由人造橡胶制成的热水袋--标准规范要求ASTM D 4316-95

### 测试项目：

- |              |                   |
|--------------|-------------------|
| * 成份         | * 老化后橡胶拉力特性       |
| * 物理性质       | * 浸入老化后橡胶特性       |
| * 外观检查       | * PVC热水袋的拉力特性     |
| * 厚度         | * 老化前PVC拉力特性      |
| * 注水口特性      | * 老化后PVC拉力特性      |
| * 瓶塞         | * 萃取后拉力特性         |
| * 螺旋瓶塞的分离测试  | * 其他材料的特殊要求       |
| * 橡胶部件       | * 橡胶热水袋的张力        |
| * 功能         | * PVC热水袋经萃取后的重量转变 |
| * 密封性        | * PVC热水袋的抗蠕变      |
| * 接缝强度       | * 撕裂强度            |
| * 压力测试       | * 标记              |
| * 拉力特性       | * 标签资料            |
| * 橡胶热水袋的拉力特性 | * 包装              |
| * 老化前橡胶拉力特性  |                   |

## 相关服务

除以上测试项目外，Intertek还可提供各类轻工产品的检测服务，涉及产品包括：

\* 自行车 \* 陶瓷餐具 \* 婴儿手推车 \* 婴幼儿产品 \* 包装 \* 餐具 \* 家具 \* 打火机 \* 文具

## 为什么选择Intertek?



Intertek天祥集团是全球领先的质量和安全管理机构，为众多行业提供专业创新的解决方案。从审核和检验，到测试、质量保证和认证，Intertek致力为客户的产品和流程增加价值，最终促进客户在全球市场取得成功。

Intertek在110个国家拥有1,000多家实验室和办事处，超过21,000名的员工，凭借专业技术、资源和全球网络，为客户提供最优质的服务。

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# Hot Water Bottles Testing

## The Challenge



To reduce the risk of death or injury by bursting or leaking of hot water bottles, the U.S. and many European countries have set out safety standards for hot water bottles. Recently, Australia published "Trade Practices (Consumer Product Safety Standard) (Hot Water Bottles)" regulation, which adopts and makes mandatory a number of significant requirements drawn from the British Standard BS1970:2006, dealing with the physical properties of hot water bottles (such as the thickness of the material from which they are constructed), their performance when subjected to tests for strength and leakage, and labeling to provide consumers relevant information concerning their usage. The Regulations apply to all hot water bottles manufactured in or imported into Australia on or after 1 June 2008.

## Our Solutions



With years of experience and expertise, Intertek offers the following safety and performance testing for hot water bottles:

### Hot water bottle testing standards:

BS 1970: 2006 Hot water bottles manufactured from rubber and PVC Specification  
ASTM D 4316-95(REAPPROVED 2001) Standard Specification for Elastomeric Water Bottles

### Test Items:

- \* Composition
- \* Physical properties
- \* Visual examination
- \* Thickness
- \* Filling characteristics
- \* Closures
- \* Test for separation of sewed closures
- \* Rubber components
- \* Performance
- \* Leakage
- \* Strength of bonded (or welded) seams
- \* Pressure test
- \* Tensile stress-strain properties
- \* Tensile tests for rubber hot water bottles
- \* Tensile stress-strain properties before ageing
- \* Tensile stress-strain properties after ageing
- \* Tensile stress-strain properties after immersion
- \* Tensile tests for PVC hot water bottles
- \* Tensile stress-strain properties before ageing
- \* Tensile stress-strain properties after ageing
- \* Tensile stress-strain properties after extraction
- \* Other material specific requirements
- \* Tension set for rubber hot water bottles
- \* Percentage mass change after extraction for PVC hot water bottle
- \* Creep resistance for PVC hot water bottles
- \* Tear strength
- \* Marking
- \* Informative labeling
- \* Packaging

## Related Services

Besides the above tests, Intertek also provides testing services for all kinds of hardgoods including but not limited to:

- \* Bicycle
- \* Ceramic tableware
- \* Stroller
- \* Juvenile products
- \* Package
- \* Tableware
- \* Furniture
- \* Lighters
- \* Stationery

## Why Intertek?



Intertek is a leading provider of quality and safety solutions serving a wide range of industries around the world. From auditing and inspection, to testing, quality assurance and certification, Intertek people are dedicated to adding value to customers' products and processes, supporting their success in the global marketplace.

Intertek has the expertise, resources and global reach to support its customers through its network of more than 1,000 laboratories and offices and over 21,000 people in 110 countries around the world.

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