

Association of Home Appliance Manufacturers
Household Electric Irons

ANSI/AHAM I-1-2005

Preface

The Association of Home Appliance Manufacturers develops standards in accordance with AHAM's "Policy and Procedures Governing Technical Standards" which states:

"AHAM Standards shall be in the best interest, mutually, of consumers who use appliances, the industries which provide and service appliances, and other interested parties. They shall relate to actual use conditions, be technically and scientifically sound."

Use or observance of AHAM standards is voluntary.

This standard contains

Test procedures which may be applied to any brand or model of household electric irons for measuring performance. Results of tests in accordance with this standard may be publicly stated.

Recommended levels of performance which are considered important to include but which, necessarily, are recommendations only.

With regard to safety, AHAM recommends that all appliance products -- both major and portable -- manufactured or marketed in the United States be submitted to an appropriate independent laboratory for inspection and listing in conformance with the safety standards and procedures followed by such laboratories. The relevant standard for household electric irons is ANSI/UL 1005, "Standard for Safety for Household Electric Flatirons."

AHAM welcomes comments and suggestions regarding this standard. Any standard may be reviewed and improved as needed. Any interested party, at any time, may request a change in an AHAM standard. Such requests should be addressed to AHAM's President, and should be accompanied by a statement of reason for the request and a suggested alternate proposal.

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Contents

| Section | Page |
|---|-------------|
| 1. PURPOSE..... | 1 |
| 2. SCOPE | 1 |
| 3. DEFINITIONS..... | 1 |
| 3.1 Electric Iron. | 1 |
| 3.2 Soleplate..... | 1 |
| 3.3 Temperature Stabilization..... | 1 |
| 3.4 Mean Temperature | 2 |
| 3.5 Water..... | 2 |
| 4. STANDARD TEST CONDITIONS AND INSTRUMENTATION | 2 |
| 4.1 Standard Voltage and Frequency..... | 2 |
| 4.2 Test Area..... | 2 |
| 4.3 Instrumentation..... | 2 |
| 4.4 Iron Test Support | 2 |
| 5. STANDARD METHOD FOR MEASURING PERFORMANCE..... | 4 |
| 5.1 Scorch Print..... | 4 |
| 5.2 Alternate Temperature Distribution..... | 4 |
| 5.3 Measurement of Steam Rates..... | 6 |
| 5.4 Spray Rate..... | 8 |
| 5.5 Spray Pattern..... | 9 |
| 5.6 Water Reservoir Fill and Empty Rates..... | 9 |
| 5.7 Soleplate Friction or Soleplate Glide Angle..... | 9 |
| 5.8 Weight of Iron Test..... | 10 |
| 6. SAFETY | 10 |

1. PURPOSE

This standard establishes a uniform, repeatable procedure or standard method for measuring specified product characteristics of household electric irons.

The standard methods provide a means to compare and evaluate different brands and models of household electric irons regarding characteristics significant to product use.

The standard methods (including recommended levels of performance, when and if they appear) are not intended to inhibit improvement and innovation in product testing, design or performance.

2. SCOPE

This standard applies to household electric irons as defined in Section 3.

This standard establishes standard methods for measuring performance and also includes sections on definitions, and standard test conditions and instrumentation.

This standard establishes uniform methods for measuring performance. This standard only includes recommended test criteria where necessary to enable tests to be carried out. In addition, recommended performance levels only appear where sufficient technical information is available to include such levels.

3. DEFINITIONS

3.1 Electric Iron. An electric iron is a hand-held, portable household appliance designed primarily for smoothing or pressing textile materials. It includes an electrically-heated soleplate and temperature regulation as a means of accomplishing its intended function.

3.1.1 Dry Iron. An electric iron having means neither to produce and supply steam nor to spray water as part of performing its intended function.

3.1.2 Steam Iron. An electric iron having means to produce and supply steam as part of performing its intended function.

3.1.3 Surge or Shot of Steam Feature. This feature provides the means to produce a burst of steam to the fabric.

3.1.4 Spray Feature. This feature provides the means to spray water on the fabric.

3.2 Soleplate. The heated surface of an iron applied to the fabric.

3.3 Temperature Stabilization. Stabilization is reached when five successive cycles of operation of the temperature control on-points are within 5° F (2° C).