

Association of Home Appliance Manufacturers

Household Electric Toasters

AHAM T-1-1986
(Revision of ANSI/AHAM T-1-1977)



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.

AHAM standards are presented to the American National Standards Institute (ANSI) for recognition as American National Standards. This standard will be submitted to ANSI for canvass for approval as an American National Standard.

This standard contains:

Test procedures which may be applied to any brand or model of household electric toaster 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 toasters is ANSI/UL 1026, "Standard for Safety for Electric Household Cooking and Food Serving Appliances".

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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1. PURPOSE

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

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

The standard methods are not intended to inhibit improvement and innovation in product testing, design or performance.

2. SCOPE

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

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

The standard methods for measuring performance include recommended levels of performance where, based on experience, results of tests and consumer reaction, sufficient information was available to establish specific levels of product performance.

3. DEFINITIONS

3.1 Toaster. A mechanical device with an electric source of power having the capacity of browning or re-heating bread slices on both sides simultaneously.

3.2 Non-Automatic Toaster. A toaster which is not equipped with a means of terminating a toasting operation, but relies upon the user's ability to cease a toasting operation.

3.3 Automatic Toaster. A toaster which is equipped with a control which automatically terminates the toasting operation at a user pre-selected point.

3.4 Test Bread. The test bread to be used in this test is fresh white sandwich bread, 3 3/4 to 4 inches (95 to 100 mm) square, sliced approximately 1/2 inch (13 mm) thick, uniform in moisture content, texture, density and formulation, prepared and baked in a commercial bakery, and stored in the original sealed wrapper for not less than 24 hours or more than 48 hours after baking.

4. STANDARD TEST CONDITIONS AND INSTRUMENTATION

4.1 Standard Voltage and Frequency. Conduct tests at 120 volts, 60 hertz (Hz), measured at appliance plug when the toaster is energized.

4.2 Test Area. Test in an area free from direct drafts and maintained at a temperature of $73 \pm 9^{\circ}\text{F}$ ($23 \pm 5^{\circ}\text{C}$).

4.3 Instrumentation. Electrical measurements must be accurate to within $\pm 1\%$.