



## IS 302-2-14:2014 Safety of Household and Similar Electrical Appliances – Part 2 – Particular Requirements – Sec 14 – electric kitchen machines (*first revision*)

**Electric kitchen machines** are electrical appliances designed to assist in various food preparation tasks, typically for home or commercial kitchens. These machines automate or simplify tasks like mixing, chopping, grinding, blending, kneading, whisking, and other cooking-related activities, significantly reducing the time and effort required for food preparation.

Food processors, blenders, mixers, juicers, grinders, coffee makers, electric rice cookers, egg beaters, ice-cream machines, mincers, knife sharpeners, shredders, slicing machines, etc. are some examples of electric kitchen machines.

Consumers have high expectations when it comes to the quality and performance of electric kitchen machines. These expectations are typically centered around factors like performance, safety, durability, ease of use, and value for money. The key quality parameters that consumers typically look for are performance and efficiency, durability and build quality, ease of use, and safety features.

IS 302-2-14 deals with the safety of electric kitchen machines for household and similar purposes, their rated voltage not being more than 250V. Appliances not intended for normal household use, but which nevertheless may be a source of danger to the public, are within the scope of this Standard.

When it comes to good quality electric kitchen machines, consumers expect them to be **safe, energy-efficient, durable, and easy to use**. The electric kitchen machines should be made of high-quality materials, come with proper safety features like overheat protection, protection against abnormal operation and provide reliable performance with low maintenance.

Indian Standard IS 302-2-14 sets down the quality benchmark for safety of electric kitchen machines, including safety requirements, construction standards, and operational features. It mandates durability tests like endurance, overload protection, abnormal operation among others. The standard also emphasizes electrical safety tests like protection against electric shock, leakage current and electric strength, moisture resistance among others.

By adhering with the requirements laid in IS 302-2-14, manufacturers can ensure that their electric kitchen machines meet the safety standards. The BIS mark, displayed on compliant products, assures consumers that the appliance has undergone stringent testing and meets the safety criteria outlined in the standard. This provides peace of mind, ensuring that the product they are purchasing is both safe and reliable for long-term use.