



Indian Standard IS 302-2-23: 2009 Guide to Safe Appliances for Skin or Hair Care

Electrical appliances used for skin or hair care, such as hair dryers, curling irons, electric shavers, and facial massagers are commonly used for personal grooming and beauty treatments, both in households and professional environments.

The ability to use these appliances without the fear of injury or malfunction is a priority for users, especially when these devices come into close contact with the skin or hair. Consumers expect these appliances to be **safe, reliable, and durable**.

IS 302-2-23: 2009 standard addresses these aspects by implementing stringent safety protocols for such electrical appliances. It covers protections against **electrical, thermal, and mechanical hazards**. For example, the standard mandates the use of **thermal cut-outs** to prevent overheating, which could damage the appliance or cause injury to the user. Furthermore, the appliances are required to have adequate **insulation** and **construction integrity** to ensure that users are not exposed to live parts during normal operation or cleaning.

The standard also ensures the durability and mechanical strength of these appliances by subjecting them to endurance tests. These tests verify that the appliances can operate safely over extended periods of use. Additionally, **clear labelling and instructions** are required for safe installation and operation, providing users with guidance on proper handling and potential hazards.

By adhering with the requirements laid in IS 302-2-23: 2009, manufacturers can ensure that their skin or hair care appliances 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.