



IS 302-Part-2-Sec 7:2024- Safety of household and similar electrical appliances - Part 2 **Particular Requirements - Section 7 Domestic Electric Cloths Washing Machines (Summary)**

Domestic electric clothes washing machines have become essential part of our daily lives due to their convenience, efficiency, and ease of use. These washing machines are designed to clean clothing and other textiles using electricity to power motors, pumps, and other components.

As all times safety comes at first priority. Generally a consumer expects that the product like Domestic electric clothes washing should address that following hazards not to occur :-

1. Mechanical hazards
2. Electrical hazards
3. Resistance to heat and fire
4. Resistance to rusting

This standard recognizes the internationally accepted level of protection against hazards such as electrical, mechanical, thermal, fire and radiation of appliances. The standard focuses on following tests to ensure above:-

- Protection against access to live parts
- Power input and current
- Heating
- Leakage current and electric strength
- Moisture resistance
- Leakage current and electric strength
- Provision for earthing

This standard deals with the safety of electric washing machines for household and similar use, that are intended for washing cloths and textiles employing detergent or an electrolyte with rating voltage not more than 250 V for single phase and 480 V for other appliances.

As far as possible, this standard deals with the common hazards presented by washing machines that are encountered by all persons in and around home.

This standard covers only the **general and safety requirements of domestic electric clothes washing machines** not the performance requirements. The performance requirements are covered under a separate standard IS 14155 'Domestic electric clothes washing machines for household use'.

This standard was first published in 1994 and revised in 2010. This second revision in year 2024 was done to align the existing standard with the latest International Standard.