

(PREVIEW)
Indian Standard

SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES

PART 2 PARTICULAR REQUIREMENTS

Section 25 Microwave Ovens

1 SCOPE

This clause of IS 302-1 (1979) is applicable except as follows:

1.1 Replacement

This standard covers the general and safety requirements of appliances for heating food and beverages using microwaves with or without additional forms of heating. The microwave oven should be operating at a voltage not exceeding 253 V ac, single phase 50 Hz and under *ISM bands of (915 ± 50) MHz or $(2\ 450 \pm 50)$ MHz.

*ISM frequency bands are electromagnetic frequencies established by International Treaty for Industrial, Scientific and Medical Purposes.

For the microwave oven with browning function IS 4159 : 1983 'Specification for mineral filled sheathed heating elements' is also applicable

This standard does not take into account the special hazards which exist in nurseries and other places where there are young children or aged or infirm persons without supervision, in such cases additional requirement may be necessary.

1.2 Replacement

This standard does not apply to:

- a) appliances designed exclusively for industrial purposes;
- b) appliances intended to be used in locations where special conditions prevail, such as the presence of corrosive or explosive atmosphere (dust, vapour or gas); and
- C) appliances for medical purposes.

1.101 Additional Subclause

Until a separate standard is formulated, microwave ovens for commercial purposes are also bound by this standard.

ANNEX BB
(Foreword)

IS No.

Title

302-1 (1979)

Safety of household and similar electrical appliances: Part 1 General requirements (*fifth revision*)

4159 : 1983

Mineral filled sheathed heating elements (*first revision*)