

IS 17349:2020 Medical textiles - Shoe covers - Specification

This Indian Standard (IS 17349: 2020) outlines the specifications for disposable and reusable shoe covers intended for medical purposes. These covers are designed to protect patients, materials, and healthcare workers from contamination by microorganisms and particles.

The standard covers both disposable and reusable shoe covers, including those intended for use in operating rooms. It focuses on manufacturing requirements, performance characteristics, and packaging standards.

The standard details several key tests to ensure the quality of shoe covers:

- **Cleanliness:** Microbial contamination levels are assessed using a standard test method (ISO 11737-1) to limit the risk of infection.
- **Tensile Strength:** The covers are tested for their resistance to tearing and ripping under dry and wet conditions using standard methods (IS 15891 (Part 3) for non-woven covers and IS 1969 (Part 1) for woven covers).
- **Bursting Strength:** This test (IS 1966 (Part 1)) assesses the ability of the cover to withstand internal pressure, preventing it from rupturing during use.

The standard also emphasizes the importance of proper marking and packaging of the shoe covers. It requires manufacturers to clearly label the product with information such as the name, size, and intended use. The packaging should be robust enough to protect the covers during storage and transport.

By adhering to these comprehensive requirements, IS 17349:2020 ensures the production of high-quality medical shoe covers that contribute to the safety and hygiene of healthcare environments.