

IS 17349:2020 Medical textiles - Shoe covers - Specification

This Indian Standard specifies the requirements for **shoe covers**, which are disposable or reusable, for medical purposes. The standard is designed to ensure that these covers protect **patients, materials** and the **environment** from transfer of **microorganisms, particulates** and **contaminants**. The standard focuses on **hygienic aspects** and **performance characteristics** of the **shoe covers**.

Consumers of **medical shoe covers** expect high quality and performance, primarily for hygiene and safety. They want these covers to be **clean, free from substances liable to cause tendering, slip resistant, and water resistant**.

This Indian Standard (IS) 17349:2020 addresses these expectations by laying down specific requirements for

- **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 specifies requirements for the **manufacture, workmanship, and packaging** of the **shoe covers** to ensure they are manufactured and packaged hygienically.

Additionally, the standard outlines a sampling plan to ensure the quality of each batch of **shoe covers** meets the specified requirements. This standard is essential for ensuring the quality and hygiene of **medical shoe covers**, which are critical for maintaining infection control in healthcare settings.