



## **Indian Standard IS 17334:2019 - Your Guide to Reliable Surgical Gowns and Drapes**

In healthcare settings, surgical gowns and drapes are essential for minimizing the **transmission of infections** between healthcare professionals and patients. Consumers expect high-quality products that effectively **protect against exposure to blood, body fluids, and other potentially infectious materials**, ensuring both safety and comfort.

Surgical gowns and drapes, defined under IS 17334:2019 by the Bureau of Indian Standards (BIS), are designed to provide a barrier that limits the transfer of infective agents during surgical and other invasive procedures. This standard outlines essential requirements for **barrier properties, biocompatibility, and microbial cleanliness**. These performance standards ensure gowns and drapes **resist fluid penetration, microbial infiltration, and withstand mechanical stress**, which collectively protect healthcare providers from contaminants.

The standard classifies gowns and drapes into four performance levels, **from basic protection to advanced, high-risk surgical use**. Each level has specific criteria for liquid penetration, microbial resistance, and tensile strength, verified through rigorous testing methods. Additionally, products must be marked with details such as the performance level, product name, manufacturer's information, and instructions for reuse or disposal, supporting quality assurance and traceability.

IS 17334:2019 provides a structured sampling and testing protocol to ensure that each batch meets the standard's requirements, reinforcing consistency in safety and performance.

In summary, IS 17334:2019 assures that surgical gowns and drapes meet high standards for protection, durability, and reliability. By following these guidelines, manufacturers ensure quality products for healthcare settings. For added assurance, look for the BIS Standard Mark when selecting surgical gowns and drapes to confirm compliance with these rigorous standards, ensuring safety and quality in critical medical environments.