



## **15354 (Part 1): 2023** **Single-use medical examination gloves Part 1**

IS 15354 (Part 1): 2023 outlines the specifications for single-use medical examination gloves made from **rubber latex or rubber solution**, including **nitrile, polychloroprene**, and other rubber compounds. These gloves are designed to protect both the user and patient from cross-contamination during medical examinations and handling of infectious materials.

Consumers expect high-quality gloves that are durable, resistant to tearing, provide reliable barrier protection, and minimize allergic reactions. Key quality parameters include **tensile strength, water tightness**, and **material safety**. The gloves must meet specific dimensional standards for length, width, and thickness, as well as pass water-tightness tests to ensure no leaks. Tensile properties, such as force at break and elongation both before and after accelerated aging, ensure that the gloves remain durable over time. Additionally, the material used must be non-toxic, hypoallergenic, and free from excessive powder residues, with options for both powdered and powder-free gloves.

The standard addresses these quality expectations by specifying tests and criteria that manufacturers must meet. Compliance is ensured through detailed guidelines on sampling, testing procedures, and acceptance quality levels. Marking and packaging requirements also help consumers identify the glove type, material, and intended use, ensuring that the product meets safety and performance standards consistent with international norms.