



IS 15354 part 1 2023
Single-use medical examination gloves

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