



## IS 19022:2023 Medical Textiles – Barrier Face Covering – Specification

In Medical Textiles, one of the products is the **Barrier Face Covering**, also known as a '**Face Mask**' among the general public. In today's world, where new viral infections are being discovered every day, and pollution in cities is increasing day by day, face masks serve as a barrier against these conditions.

When buying a face mask, people always check the **fit**, ensure the **absence of sharp edges**, and make sure that **harmful substances are not present**. To ensure the required standards and fulfill the purpose of the product, BIS has developed the Indian Standard **IS 19022:2023**.

This standard ensures the quality and safety of barrier face coverings by setting clear requirements for materials, construction, and performance. It mandates that face coverings be made from suitable, non-toxic, and irritation-free textiles, which may be woven, non-woven, or knitted. These materials must meet specific criteria for **breathability (differential pressure)** and **particulate filtration efficiency**, ensuring the mask's effectiveness in minimizing aerosol transmission.

To guarantee durability, **reusable masks** must withstand at least **five wash cycles** without compromising performance. The fastening mechanisms are tested for strength to ensure a secure fit, and the mask's design must fully cover the nose, mouth, and chin.

Marking requirements further enhance safety by providing users with care instructions, use warnings, and disposal guidance. The **masks are clearly labeled to differentiate them from medical devices or PPE**, ensuring that users understand the intended use and limitations.