



IS 4605: 2020 CREPE BANDAGE- SPECIFICATION

The Indian Standard **IS 4605: 2020** specifies the requirements for **crepe bandages**, which are used for the support, compression, and immobilization of body parts in cases of injury, surgery, or other medical treatments.

Consumers expect several important quality parameters in crepe bandages to ensure effectiveness, comfort, and durability. These parameters can vary depending on the intended use, but generally, they include:

Material Composition: The crepe bandage shall be made from **cotton** or mixture of rayon and cotton that provide the required stretchability, durability and comfort (addressed in Cl 3).

Dimensions: The crepe bandage should be manufactured in standard **widths**, generally ranging from 6 cm to 15 cm or as agreed to between purchaser and supplier. The **length** of the bandage must be specified, generally ranging from 4 m to 6 m for standard medical use (addressed in Cl 4).

Performance Requirements

- **Elasticity:** After stretching, the bandage should return to its original shape and size without losing its elasticity and structural integrity over time (**Cl 8.3**).
- **High Stretch:** A good quality crepe bandage should offer reasonable degree of stretch, providing firm yet comfortable support (**Cl 4**).
- **Tensile Strength:** The bandage must have sufficient **tensile strength** to withstand the forces applied during use, without tearing or losing its functionality (**Cl 8.5**).

Packaging and Marking

- The bandages should be properly packaged to avoid contamination or damage during transport and storage (**Cl 11**).
- The packaging should contain necessary markings, including the manufacturer's name, width and stretched length, batch number to facilitate identification and traceability (**Cl 9**).

IS 4605: 2020 lays out the comprehensive requirements for the manufacturing, testing, and quality of crepe bandages used in medical applications. It ensures that the product is safe, effective, and reliable for providing compression and support in healthcare system.