



IS 14953:2006

Polyester or polyamide mosquito nets

Polyester or polyamide mosquito net is a type of bed net made from **polyester or polyamide Multifilament Yarn**. It is designed to protect sleepers from **mosquitoes** and **other insects**, preventing the **transmission of diseases** like malaria, dengue fever, and Zika virus. Nettings are made with any of the following based on the requirement of the consumer:

- a. Variety-1: Polyamide (Nylon 6 or Nylon 6.6) multifilament yarns of 40 denier
- b. Variety-2: Polyester multifilament yarns of 75 denier
- c. Variety-3: Polyester multifilament yarns of 100 denier

The following are the key expectations from the **consumers**:

- **Effectiveness:**
 - **Fine mesh** to prevent even the smallest mosquitoes from entering
 - **Proper fit** to ensure no gaps for mosquitoes to exploit
 - **Durable** material to withstand daily use and weather
- **Comfort:**
 - **Breathability** to allow for air circulation
 - **Lightweight** design for ease of use
 - **Soft texture** to avoid skin irritation
- **Durability:**
 - **Long-lasting** material to withstand regular use and washing
 - **Weather resistance** to protect against rain, wind, and sun
 - **Colourfastness** to maintain its appearance over time
- **Safety:**
 - **Non-toxic materials** to ensure safe usage
 - **Flame-retardant** properties for added safety
 - **Easy installation** and use for convenience

To ensure product quality, Indian Standards mandate rigorous testing procedures for mosquito net. These tests cover factors like: durability, safety, chemical properties, construction quality and flame retardancy, ensuring that the nets meet specific standards.