



# Medical Grade Non-Woven Fabric

Designed for Safety. Engineered for Reliable Medical Applications.



## DESCRIPTION

Our medical grade non-woven fabric is engineered for healthcare, hygiene and medical applications: clean, lightweight, breathable and consistent from roll to roll.

It is available in various GSM, widths and colours, with customized requirements on request. 3-ply mask-making machines run at the same plant.

## KEY FEATURES

- Suitable for medical and hygiene applications
- Lightweight and breathable
- Soft and comfortable against the skin
- Good tensile strength and tear resistance
- Consistent thickness and uniform structure
- Various GSM, widths and colours
- Customized requirements

## APPLICATIONS

Gowns

Bed sheets

Hygiene products

Medical packaging

Protective apparel

Masks



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### AVAILABLE OPTIONS

| Option     | Range                                                         |
|------------|---------------------------------------------------------------|
| GSM        | Various GSM, light hygiene grades to heavy bag grades         |
| Roll width | Up to 2.4 m (SS plant) or 3.2 m (S plant); slit to your width |
| Colour     | White, blue, green, red, yellow, black and custom shades      |

### TECHNICAL PROPERTIES

| Property                        | Test method                  | Unit             | Typical value          |
|---------------------------------|------------------------------|------------------|------------------------|
| Basis weight (GSM)              | ISO 9073-1                   | g/m <sup>2</sup> | <i>From lab report</i> |
| Thickness                       | ISO 9073-2                   | mm               | <i>From lab report</i> |
| Tensile strength, MD / CD       | ISO 9073-3                   | N / 5 cm         | <i>From lab report</i> |
| Elongation at break, MD / CD    | ISO 9073-3                   | %                | <i>From lab report</i> |
| Melt flow index of raw material | ISO 1133                     | g / 10 min       | <i>From lab report</i> |
| Colour                          | Colour cabinet, visual       | approved shade   | <i>From lab report</i> |
| Run-off                         | ISO 9073-11                  | %                | <i>From lab report</i> |
| Uniformity of web               | Optical microscope, in-house | visual           | <i>From lab report</i> |

### ORDER TERMS

|               |                                     |         |                              |
|---------------|-------------------------------------|---------|------------------------------|
| Minimum order | 1,000 kg                            | Packing | Rolls, poly-wrapped          |
| Price         | On quotation, by GSM and quantity   | Payment | Bank transfer (T/T), advance |
| Delivery time | 3 to 4 days from order confirmation | Supply  | All India; export to Asia    |
| Samples       | Available on request                |         |                              |

**Tested in our own laboratory:** GSM Tester, Thickness Tester, Melt Flow Index Tester, Optical Microscope, Liquid Runoff Tester, Wettability Tester, Colour Matching Cabinet, Tensile Testing Machine.

**Draft.** Typical values are filled in from Milan Polytech laboratory reports for the ordered GSM before this sheet is issued. Properties depend on GSM, colour and treatment; the values agreed on the quotation apply.