

TECHNICAL DATA SHEET

PROMAXCOPPER FILTER

PROMAXCOPPER Filters are surface protecting and self-disinfecting Copper dispersed filters to be used along with existing filters in HVAC/Air-Conditioners/Clean-Rooms/Ventilators etc. Also, it has proven properties to disinfect itself from virus (including Coronavirus) and bacteria. These filters are made of polyester, cellulose and copper. The filters can be cut to various sizes and be used like filter element.

Application Segments :

- Offices
- Public places & transport
- Schools
- Hospitals
- Hotels and Restaurants
- Industry

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1. Product technical data

PROMAXCOPPER Filter is a fabric consisting of polyester and cellulose fiber with bonded ionic copper. Filter to be used with alongwith existing HEPA filter. Filter deactivates the virus and HEPA filter removes the dust.

Fabric	: Polyester (70%) and Cellulose(29%), Copper(1%)
Colour	: Light emerald (PANTONE™ 331C)
Weight [GSM]	: 70 gm/m ²
Thickness	: 3 mm
Compression Thickness	: approx 0.3 mm
Tensile Strength [Kgf/cm2]	: 240-250 (ASTM D882)
Pressure Drop [pa]	: 2.0 (100 m ³ /hr air flowrate)
Filter Ratings	: 43.0% - Remove 43% of particles >0.03 microns dia. 48.9% - Remove 48.9% of particles >0.05 microns dia. 49.6% -Remove 49.6% of particles >0.10 microns dia.

2. Standard sizes

- 60 cm x 60 cm x 3 mm thick
- 120 cm x 30 cm x 3 mm thick
- 120 cm x 60 cm x 3 mm thick
- 120 cm x 100 m x 3 mm thick

Smaller sizes can be cut and supplied as per the request.

3. Storage – before use

- Storage conditions require an ambient temperature ranging from +15 °C to +35 °C , with relative humidity between 30 % and 70 %, without direct sunlight exposure. It is

imperative to store cardboard boxes vertically in their packing well supported at the end locks.

- Store with packing intact avoiding dust catch-up.

4. Use of Filter

- Cut the filter to the same size of existing HEPA/dust filter.
- Fix it in the same filter frame .
- Recirculation air should first come in contact with antiviral filter.

5. Trade related data

HS Number : 8415.90.0000

6. Regulatory

Safety Data Sheet :

When used under normal conditions, this film does not generate or release any hazardous chemicals. This is a non-hazardous product in accordance with the EU criteria. Therefore it is not necessary to prepare a Material Safety Data Sheet for this film. This product is not a hazardous product with regards to transportation legislation; neither does it contain substances that are hazardous to water within the meaning of the EU water act. After use, dispose of the waste product in accordance with the local / national authorities.

DISCLAIMER :

The following technical details are issued to the best of our knowledge and confidentiality , however, without any responsibility for results due to several different kinds of material and application processes. Therefore, we recommend before any usage, a test to be conducted on the original surface.