

PRODUCT DATASHEET: GRAPHENE MELTBLOWN HYPMM25/30

Raw material composition:	PP (Polypropylene) Homo-polymer VHF (Very High Flow) doped with Graphene
Category:	Nonwoven PP Meltblown
Width:	110-1600 mm
Roll diameter:	400-1200 mm
Weight Roll:	7-140 Kg
Weight:	25-30 g/m ²
Color:	Only Grey
Surface:	Printable and colorable
Thickness:	0.3-0.35 mm
BFE:	>98%
Breathability:	29-33 Pa/cm ²
Processing:	Thermoformable, ultrasonic welding, thermal welding
Country of origin:	Italy

Inactivates about 80% of the viral load (SARS COV-2) after 30 minutes and, depending on the device to be made, reaches levels of PFE between 97-99%. It is antibacterial, therefore it also eliminates bad smells.

The fabric can be colored and favors the adhesion of prints.

Note: All technical information contained in this document are given in good faith and are based on test believed to be reliable, but their accuracy and completeness are not guaranteed. They do not constitute an offer to any person and shall not be deemed to form the basis of any contract. No further duty or responsibility is accepted by Hygraner srl. Accordingly, the user shall determine the suitability of the products for their intended use prior to purchase and shall assume all risk and liability in connection therewith. The information contained herein is under constant review and liable to be modified. All products are sold subject to Hygraner srl terms and conditions of sale (Doc. CGV01_2017). All rights reserved worldwide. All trademarks or registered trademarks are the property of their respective owners.

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Product Datasheet PP Master Meltblown Mod. PRO-1-OFF/T - Doc. HYPMMB I0_2020



Areas of business:	Advanced Textile Solutions
Markets:	Hygienic-medical, Footwear-leather goods, Automotive, Advertising-promo, Toys and childhood, Technical-industrial (filters), Cosmetics.
Applications:	Medical masks, Disposable items (overalls-aprons-etc.), Finishing for bituminous membranes, Waterproof membranes, Cold protection.
Availability:	This product is available in different percentages of Graphene, washable and autoclavable.
Packaging :	In plastic (PET) bags.

The non-woven fabric is “**super-hydrophobic**”, hypoallergenic, **antistatic**, certifiable as non-toxic, **thermally conductive (better breathability, comfort and greater freshness)**; it can be spayed.

The graphene meltblown always remains active, for the entire life of the fabric, because its microfibers are made of Graphene.

The graphene meltblown has been tested according to the standards:

ISO 18184: 2019 (Determination of the antiviral activity of textile products - Test report n ° 2100056.01 of 21/05/2021).

ISO 10993-12: 2012 + ISO 10993-5: 2009 Annex A - Test report n ° 03544-21 Rev.00 of 14/05/2021.

UNI EN 13795-1: 2019, UNI EN ISO 9073-10: 2005 - Test report n ° 21RA06029 of 26/04/2021.

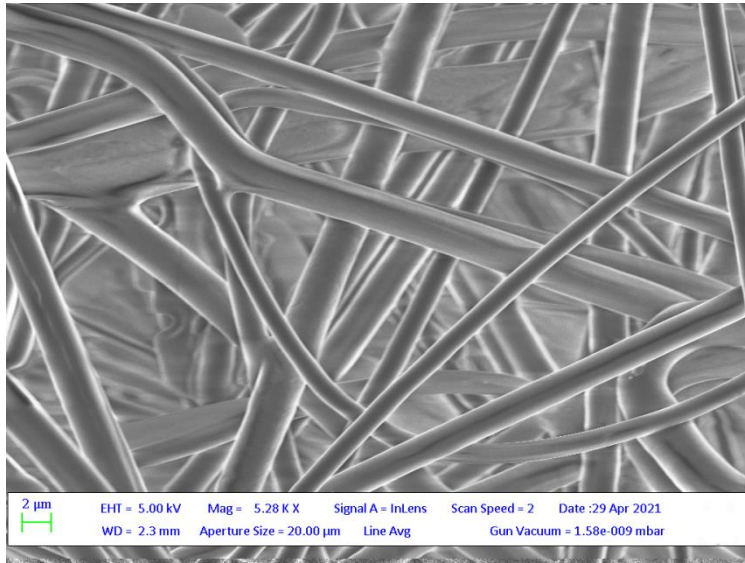
For specific products it has also been tested according to the following standards:

ISO 22196: 2011, ISO 20743: 2013, ISO 21702: 2019, UNI EN 14683: 2019, UNI EN 13274-7: 2019, UNI EN 149: 2009

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Non-woven fabric achieves an effective combination of high resistance to scratches and perforations, with an intact softness to the touch; stops the passage of micro-droplets and aerosol particles. Furthermore, it stops bacterial proliferation (tested on bacteria belonging to the Gram + and Gram – strains) that of some micro-fungus and that of some molds.

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