



PRODUCT DATASHEET: PP MASTER MELTBLOWN

Raw material composition:	PP (Polypropylene) Homo-polymer VHF (Very High Flow) doped with Graphene
Brand:	PP Master Meltblown
Category:	Nonwoven PP Meltblown
Tensile strength cd:	28.31 N / 5 cm
Tensile strength md:	23.68 N / 5 cm
Width:	0.175 m (or upon request)
Roll diameter:	60 cm (or upon request)
Weight:	40.00 (-0,+7) g/m ²
Color:	Only Grey/Black
Thickness:	0.40 mm (not calibrated)
Elongation cd:	52.16 %
Elongation md:	21.49 %
BFE:	> 99%
Air permeability:	140 L/m ² /s (NWSP 070.1 R0(15) at 125 Pa)
Air permeability:	220 L/m ² /s (NWSP 070.1 R0 (15) at 200 Pa)
Product available:	From October 2020
Processing:	Thermoformable, ultrasonic welding, thermal welding
Country of origin:	Italy

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.



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.
Packaging :	In plastic (PET) bags.

The non-woven fabric is “super-hydrophobic”, hypoallergenic, antistatic, and certifiable as non-toxic; it can be sprayed. The PP Master Meltblown always remains active, because its microfibers are made of Graphene.

Graphene inactivates some viruses.

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.

Some tests were performed according to the following standards: ISO 22196: 2011, ISO 20743: 2013, ISO 21702: 2019, ISO18184: 2019 (Determination of antiviral activity of textile products) for internal purposes only.

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.

HYGRANER SRL via I. Silone snc 64015 Nereto (TE) www.hygraner.it info@hygraner.it

Product Datasheet PP Master Meltblown Mod. PRO-I-OFF/T - Doc. HYPMPMB I0_2020