

Preliminary Product Data Sheet

Name of product	DPS-mb20
Application Single layer	Filter layer for medical face masks (type II) according to EN14683:2019 + AC: 2019
Application Double layer	Filter layer filtering half masks (class FFP2) to protect against particles according to EN149:2001+A1:2009
Charging	Electrical charged
Basis Weight g/m ²	20
Raw material	PP
Color	Naturel

Product Properties single layer

	Unit	Value	Range	Method
Basis weight	g/m ²	20	±10%	NWSP 130.1 RO(15) Sample size 100mmx100mm 9 samples
Air permeability	L/m ² /s	≥350		WSP 070.1 Sample size 20 cm ² Measured at 200Pa 5 samples
Pressure drop	Pa/cm ²	≤40		EN 14683 Sample size 4.9 cm ² Air flow rate 8l/min 3 samples
Retention (by number)	%	≥90		Palas Hepa 1000 Sample size 100cm ² Aerosol DEHS, 0.1µm...3.0µm. Aerosol velocity 5.3 cm/s 3 samples
Retention (by mass)	%	≥98		Palas Hepa 1000 Sample size 100cm ² Aerosol DEHS, 0.1µm...3.0µm. Aerosol velocity 5.3 cm/s 3 samples

Product Properties double layer

	Unit	Value	Range	Method
Basis weight	g/m ²	20 + 20	±10%	
Air permeability	L/m ² /s	≥180		WSP 070.1 Sample size 20 cm ² Measured at 200Pa 6 samples
Pressure drop	Pa/cm ²	≤175		WSP 070.1 Sample size 20 cm ² Measured at 15,8 cm/s 5 samples
Retention (by number)	%	≥95		Palas Hepa 1000 Sample size 100cm ² Aerosol DEHS, 0.1µm...3.0µm. Aerosol velocity 5.3 cm/s 3 samples
Retention (by mass)	%	≥98		Palas Hepa 1000 Sample size 100cm ² Aerosol DEHS, 0.1µm...3.0µm. Aerosol velocity 5.3 cm/s 3 samples

All properties refer to unprocessed conditions of the fabric, sampled from the outer roll layers and without any pre-conditioning or usability test. The fabric is a semi-finished product and complies with the technical specifications and requirements for filter layers for medical face masks (type II) according to EN 14683:2019+AC:2019.

Manufacturer is solely responsible for the compliance of the product meeting its respective product specifications (properties).

Product data sheet disclaimer

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Purchasers and users of the product are responsible for determining if the product is suitable for the intended use and that their workers and the general public are advised of any risks resulting from such use. This Product data sheet can be updated from time to time

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