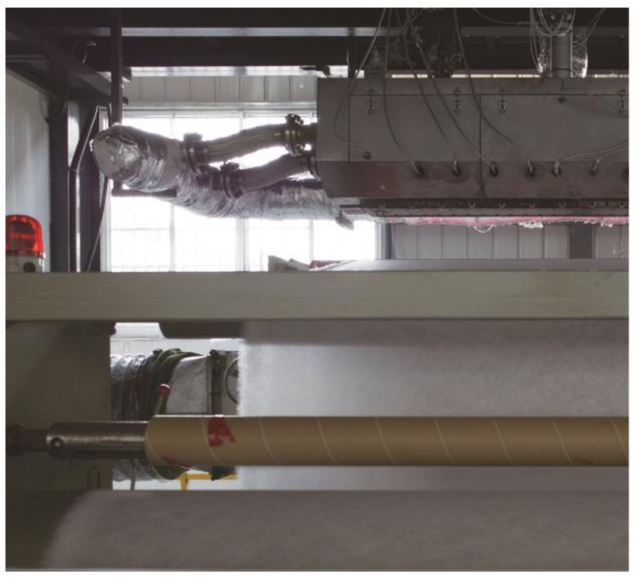
PP MELTBLOWN NONWOVEN FABRIC

https://cnnonwoven.en.made-in-china.com

PP Melt-blown nonwoven is the most popular material as the high efficiency filter media in the application of air filtration, mainly used in the production of personal care products like masks and respirators; industrial air cleaning products like HEPA filter bags, as well as the medical instrument like masks used in hospital. At the same time, PP melt-blown nonwovens can be laminated with other kinds of nonwoven products to fit for wide range of air cleaning products like ventilation filters, cabin air filters, vacuum cleaner filters and other household air cleaning filters.

STATIC ELECTRECT CHARGING FABRIC

We own serials of static electret charging technology, including customized formula with electret master batch, patented high voltage charging equipment with special designed charging panel. Thanks to the adoption of electret charging our PP melt-blown nonwovens can reach higher filtration efficiency under the case of not changing air flow resistance property. So the other performance parameter of filtration efficiency, penetration pressure, air resistance, ageing resistance can obviously get higher score than other like products.



FILTRATION PROPERTIES

As the filter media used in the personal care respirators

- **US N Serials (NIOSH 42 CFR-84 & GB 2626-2006)**

	GSM	Test Condition (NaCl μm, L/Min)	Resistance(Pa)	Filtration efficiency(%)	MAIN USAGE
25g N95	25	0.3, 55	55	99%	For N95 respirator, Folded mask, Half Mask filter pad
50g N95	50	0.3, 55	55	99.5%	For N95 respirator, Folded Mask, Cup Shape Mask, Half Mask Filter Pad
60g N95	60	0.3, 55	65	99.8%	For N99 respirator, Folded Mask, Cup Shape Mask, Half Mask Filter Pad
75g N100	75	0.3, 55	110	99.9%	For N100 standard respirator, Cup Shape Mask, Half Mask Filter

Marks:

This N95 serial product can reach to 99% filtration rate with the air resistance less than 60Pa. The parameter is obviously better than American standard requirement, 95% filtration rate and 350Pa resistance. We can also produce lower resistance product, which is less than 50Pa, to make the breath more smoothly and comfortable in the daily use of haze environment.

We provide you with customized service.
Please call the sales consultant 0086 18606743077, or mail : inquiry@ciheng.com

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PRODUCT FEATURES

- High filtration efficiency and Low resistance
- Can filter harmful particles as well as bacteria in the air
- More stable filtration efficiency and longer service life
- High porosity and small pore space
- Structure with fine or ultra-fine fibre
- Good chemical stability and wide temperature usage

APPLICATION FOR RESPIRATORS

As the filter media used in the personal care respirator our melt-blown nonwoven fabric has very good feature of high filtration efficiency and low air flow resistance. We can supply various grades of filter cloth for NA NOish N serial and EU standard EN 149 serials.

FILTRATION PROPERTIES

- **EU FFP Serials (EN 149:2009)**

	GSM	Test Condition (DOP μm, L/Min)	Resistance(Pa)	Filtration efficiency(%)	MAIN USAGE
FFP 1	25	0.33, 60	70	96%	FFP 1 standard respirator, 3-ply flat mask.
FFP 2	50	0.33, 60	95	99%	FFP 2 standard respirator, fit for mine, severe air condition workshops etc
FFP 3	60	0.33, 60	105	99.8%	For FFP 3 respirator, high filtration requirement environment eg. Chemical lab

- **Medical care BFE series(Meet EN14683 Requirement)**

	GSM	Test Condition (NaCl μm, L/Min)	Resistance(Pa)	Bacterial Filtration efficiency(%)	Particle Filtration efficiency(%)	MAIN USAGE
TYPE |	18	0.3, 32	18	99%	95%	EN 14683 TYPE13 Ply Mask
TYPE II	25	0.3, 32	25	99.5%	97%	EN 14683 TYPE II 3 Ply Mask
TYPE II R	30	0.3, 32	28	99.8%	98%	EN 14683 TYPE IIR 3 Ply Mask

Marks:

Basically, by the melt-blown processing the nonwovens has larger resistance pressure while the filtration efficiency is higher under the case of same weight per square meter.
Storage Condition: Away from the organic solvent, Avoid light, Cool and dry.

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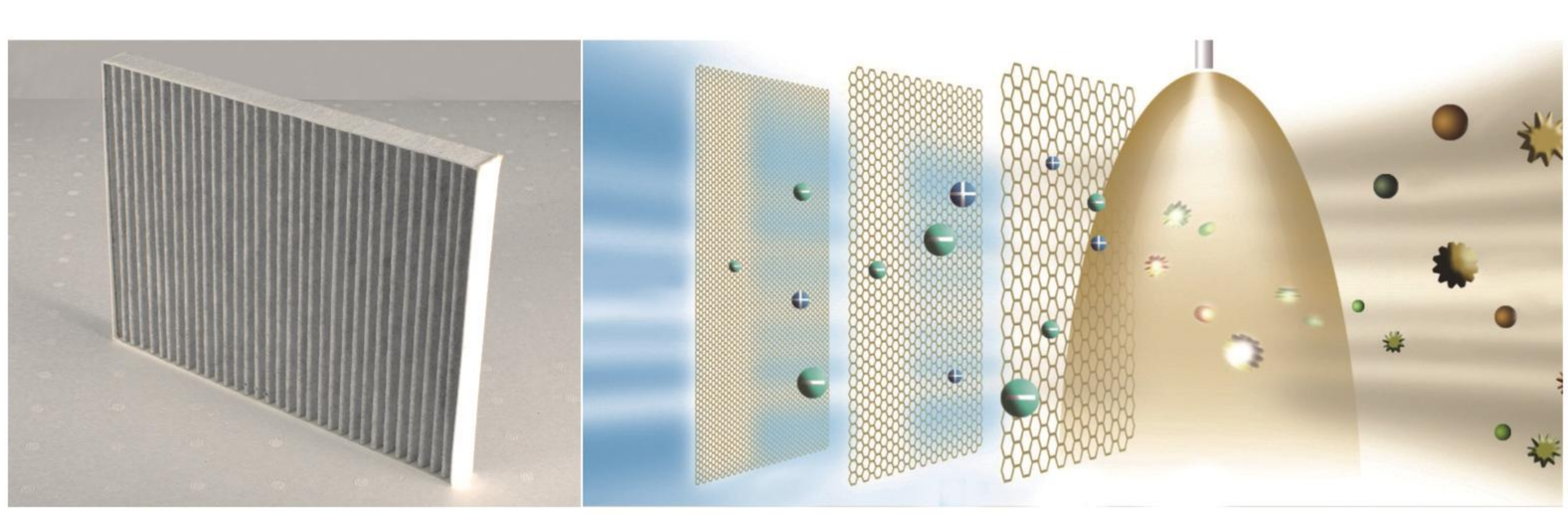
APPLICATION FOR AIR FILTERS

PP Melt-blown nonwovens, which is used as filtration media in the production of mini-pleat filters, ventilation filters, cabin air filters, vacuum cleaner filters and other household air cleaning filters, features more durable high efficiency filtration rate, lower resistance and anti-bacteria property. Our PP melt-blown air filtration material covers a wide range of efficiency grade, from F6 to F9 and H10-H12, for different standard of air filters.



Marks:

Width range from 100 to 1600mm, or slitting into the appointed width as to the customer's requirements.

Usage temperature: ≦70℃

• FOR INDUSTRIAL AIR CLEAN FILTER

	GSM	Test Condition (NaCl μm, L/Min)	Initial Resistance(Pa)	Initial efficiency(%)	MAIN USAGE	Standard	
						USA	EU
LV-G15-10	15	0.3, 32	10	85%	High to Middle Efficiency. Bag filter, Pleating filter	H14	F9 – F10
LV-G20-16	20	0.3, 32	16	95%	High Efficiency Pleating Filter	H15	H11
LV-G20-24	20	0.3, 32	24	99.5%	High Efficiency Pleating Filter	H15	H12
LV-G25-28	25	0.3, 32	28	99.97%	High Efficiency Pleating Filter	H16	H13
LV-G35-42	35	0.3, 32	42	99.995%	High Efficiency Pleating Filter	H17	H14

• FOR HOME CARE AIR CLEANER

	GSM	Test Condition (NaCl μm, L/Min)	Resistance (Pa)	Bacterial Filtration efficiency(%)	Particle Filtration efficiency(%)	Main USAGE
HC -H10	18	0.3, 32	20	>99%	85%	Home use air cleaner
HC -H11	20	0.3, 32	22	>99%	95%	Home use air cleaner
HC -H12	25	0.33(DOP), 32	32	>99%	99.5%	Home use air cleaner

• FOR AUTO CABIN AIR FILTER

	GSM	Test Condition (NaCl μm, L/Min)	Initial Resistance(Pa)	Initial efficiency(%)	Test Condition（NaCl um, L/Min）
CC-G12-5	12	0.3, 32	8	75%	Car Cabin Air Filter, laminated with PET backbone material.
LV-G15-10	15	0.3, 32	9	85%	Car cabin air filter, laminated with PET backbone material.
LV-G20-18	20	0.3, 32	16	95%	High filtration required car cabin air filter, laminated with PET backbone material.

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