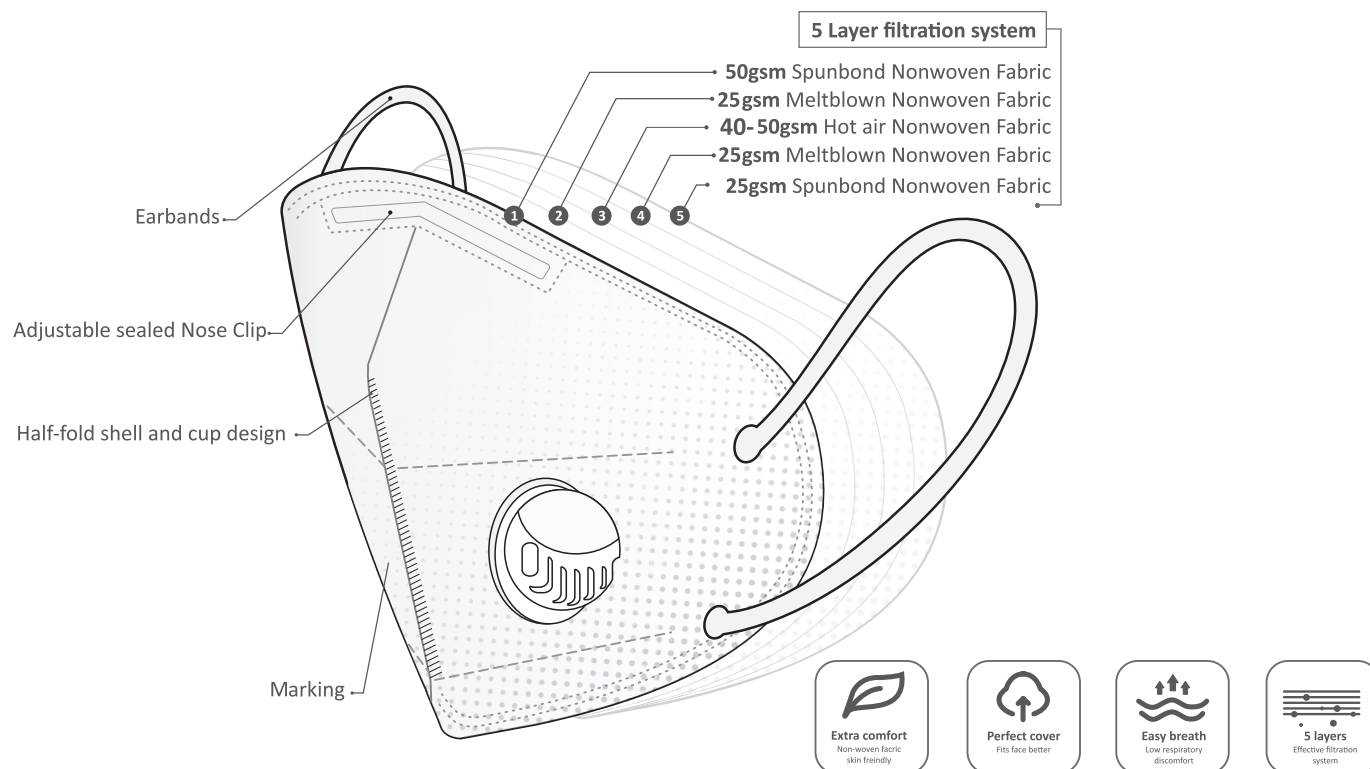


## Materials Safety Data sheet MSDS

Baltic Masks, BM – 001V respirator, FFP2 (v1.07)

Protection-class BM-001V Respirator FFP2 is made for environments in which harmful and mutagenic particles can be found in the air we breathe. Respirator masks of this class provide a barrier to at least 95% of particles measuring larger than 0.3 micron and may be used in environments where hazardous substances exceed the OEL by up to a maximum of tenfold concentration. Our filter system, with a two layers of meltblown cloth, protects wearers from unpleasant odours and particles on top of the required breathing protection.



**Marking:** PPE marking, FFP2NR, CE 1463, EN 149:2001+A1:2009

**Materials:**

1. 50gsm Spunbond Nonwoven
2. 25gsm Meltblown Nonwoven
3. 40-50gsm Hot air Nonwoven
4. 25gsm Meltblown Nonwoven
5. 25gsm Spunbond Nonwoven

**Mask weight:** 8 grams

**Valve:** Yes

12/5/2020

# Materials Safety Data sheet MSDS

Baltic Masks, BM – 001V respirator, FFP2 (v1.07)

## Meltblown Nonwoven fabric

### PARTICLE FILTRATION EFFICIENCY(%)

(YY 0469-2011 5.6.2 AIR FLOW)	30L/min
AEROSOL:	NaCl
AEROSOL CONCENTRATION:	15mg/m <sup>3</sup>
MINIMUM:	97.53

### BACTERIAL FILTRATION EFFICIENCY(%)

(YY 0469-2011 ANNEX B TEST BACTERIA:	STAPHYLOCOCCUS AUREUS ATCC 6538
TEST AREA:	40cm <sup>2</sup>
FLOW RATE:	28.3L/min
MEAN PARTICLE SIZE:	3.0µm
RESULT OF THE POSITIVE CONTROL:	1.812×10 <sup>3</sup>
CFU RESULT OF THE NEGATIVE CONTROL:	OCFU) BFE1 - 100.0 BFE2 - 100.0 BFE3 - 99.8

## Spunbond Non-woven fabrics

GSM			GSM CV %	Tensile strength N per 5 cm MD			Tensile Strength N per 5cm CD			Thickness	Elongation			Air Permeability	
target	min	max	%	min	max	CV%	min	max	CV%	mm	min	max	CV%	cm <sup>3</sup> /cm <sup>2</sup>	sec
23	22	25	7	38	47	10	21	26	15	0.11	50	100	20	150	410
25	23	27	7	41	51	10	22	27	15	0.12	60	110	17	150	380
UV Resistance			Mullen Burst			Degree of Magnetic Permeability				Dielectric constant permittivity					
500hr			KPA			cm/sec				sec -1					
70%			410			0.062				1.8					
70%			380			0.058				1.65					

12/5/2020