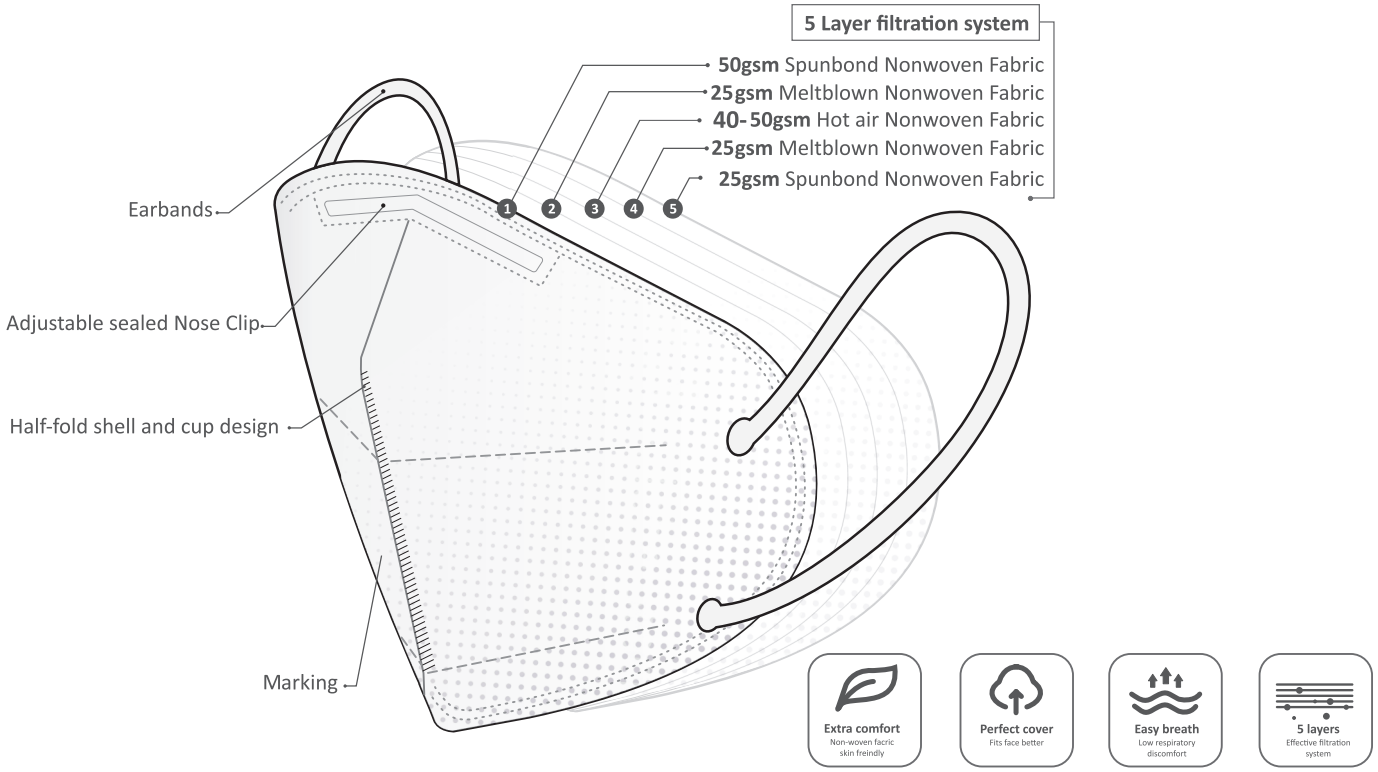
Materials Safety Data sheet MSDS

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

Protection-class BM-001 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: 6 grams

Valve: No

12/5/2020

Company name: InSpe, II Address: Savanoriu 178F, 03154 Vilnius, Lithuania Company registration nr.: 120650387. VAT: LT206503811
Bank: Swedbank AB Bank code: 73000 SWIFT: HABALT22 Account: LT93 7300 0100 8585 7835

Meltblown Nonwoven fabric

PARTICLE FILTRATION EFFICIENCY(%)

(YY 0469-2011 5.6.2 AIR FLOW	30L/min
AEROSOL:	NaCl
AEROSOL CONCERTRATION:	15mg/m3
MINIMUM:	97.53

BACTERIAL FILTRATION EFFICIENCY(%)

(YY 0469-2011 ANNEX B TEST BACTERIA:	STAPHYLOCOCCUS AUREUS ATCC 6538
TEST AREA:	40cm2
FLOW RATE:	28.3L/min
MEAN PARTICLE SIZE:	3.0µm
RESULT OF THE POSITIVE CONTROL:	1.812×10^3
CFU RESULT OF THE NEGATIVE CONTROL:	0CFU) 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	Elogation			Air Permeability	
target	min	max	%	min	max	CV%	min	max	CV%	mm	min	max	CV%	cm3/cm2	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	Dialectric constantpermitivity
500hr	KPA	cm/sec	sec -1
70%	410	0.062	1.8
70%	380	0.058	1.65

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