

TEST REPORT			Testing Organization				
			Name	Ahlstrom-Munksjö Italia SpA			
			Address	Via Stura, 98 - 10075 Mathi (TO)			
GENERAL INFORMATION							
Media ID	FF 70/210 PBT PB SM + FF 70/210 PBT PB SM		Test date	11/08/2020			
Requested by			Operator	SF			
Sample description	Two-layer of Spunbond/Meltblown: SMMS		Supervisor	AC			
Notes	All tests have been carried out on flat sheet. Internal use only. This report is neither a UNI EN 14683:2019 certificate (Medical face masks - Requirements and test methods) nor a EN 149:2001+A1:2009 certificate (Respiratory protective devices). Below data only give preliminary indications on the media eligibility to be subjected, as product (facemask), to further testing to obtain the mentioned certification.						
Measurement Device							
Measurement Device	Air permeability tester		Test conditions				
Manufacturer	TexTest Instruments		Sample Area [cm ²]	100			
Model	FX3300 IV		Pressure [mbar]	2			
Test Results	sample ID	Air permeability [l/m ² /s]	Replicates on each sample [l/m ² /s]				
			1	2	3	4	5
	1	110	106	108	114	106	118
	2	112	106	118	115	115	106
	3	110	115	108	115	106	108
	4	109	106	109	111	110	110
	5	109	109	110	106	108	114
Avg. [l/m ² /s]	110						
CV %	1.01						
TSI FILTRATION EFFICIENCY (NaCl) following EN 149:2001+A1:2009 norm (EN 13274-7)							
Device Manufacturer	TSI		Test conditions				
Model	8130A		Air Flow [l/min]	48			
Test aerosol	NaCl (Sodium chloride solution @ 2%)		Face velocity [cm/s]	8			
Air Temperature [°C]	22-24		Aerosol concentration [mg/m ³]	8			
Air Umidity [% UR]	45-50		Sample Area [cm ²]	100			
Test Results	Sample	Mass mean diameter [µm]	Efficiency [%]		Pressure drop [Pa]		
	1	0.23	95.7		174		
	2	0.23	95.8		171		
	3	0.23	95.6		176		
Avg.		95.7		174			