

Water column pressure test

				cm H2O		
Unsterilised material (from package)	White Layer only	Sample PT52	20/05/2020	55		
		Sample PT53	20/05/2020	49		
		Sample PT54	20/05/2020	52	μ	σ
		Sample PT55	20/05/2020	46	50.5	3.9
	Blue layer only	Sample PT56	20/05/2020	86		
		Sample PT57	20/05/2020	92		
		Sample PT58	20/05/2020	82	μ	σ
		Sample PT59	20/05/2020	81	85.3	5.0
Single Layer	Sample PT1	3/4/2020	95			
	Sample PT2	3/4/2020	85			
	Sample PT3	3/4/2020	85	μ	σ	
	Sample PT60	20/05/2020	79	86.0	6.6	
Double Layer	Sample PT4	3/4/2020	95			
	Sample PT5	3/4/2020	90			
	Sample PT6	3/4/2020	90	μ	σ	
	Sample PT61	20/05/2020	94	92.3	2.6	
Double Layer, Reversed	Sample PT62	20/05/2020	92			
	Sample PT63	20/05/2020	92			
	Sample PT64	20/05/2020	94	μ	σ	
	Sample PT65	20/05/2020	96	93.5	1.9	
Triple Layer	Sample PT7	3/4/2020	95			
	Sample PT8	3/4/2020	115			
	Sample PT9	3/4/2020	105			

Sample PT16	12/5/2020	102		
Sample PT17	12/5/2020	93		
Sample PT18	12/5/2020	94		
Sample PT19	12/5/2020	90		
Sample PT66	20/05/2020	91		
Sample PT67	20/05/2020	106		
Sample PT68	20/05/2020	94	μ	σ
Sample PT69	20/05/2020	96	98.3	7.7

Steam Sterilised (15min, 121 degrees Celsius, 2 atm)

Single Layer, 1x Sterilized	Sample PT10	3/4/2020	80		
	Sample PT11	3/4/2020	80		
	Sample PT70	20/05/2020	77	μ	σ
	Sample PT71	20/05/2020	81	79.5	1.7

Double Layer, 1x Sterilized	Sample PT12	3/4/2020	90		
	Sample PT13	3/4/2020	90		
	Sample PT72	20/05/2020	88	μ	σ
	Sample PT73	20/05/2020	87	88.8	1.5

Triple Layer, 1x Sterilized	Sample PT14	3/4/2020	100		
	Sample PT15	3/4/2020	100		
	Sample PT20	12/5/2020	98		
	Sample PT21	12/5/2020	93		
	Sample PT22	12/5/2020	94	μ	σ
	Sample PT23	12/5/2020	92	96.2	3.6

Triple Layer, 2x Sterilized	Sample PT24	12/5/2020	101		
	Sample PT25	12/5/2020	99		
	Sample PT26	12/5/2020	104	μ	σ
	Sample PT27	12/5/2020	99	100.8	2.4

Triple Layer, 3x Sterilized	Sample PT28	12/5/2020	90	μ	σ
	Sample PT29	12/5/2020	95		
	Sample PT30	12/5/2020	93		
	Sample PT31	12/5/2020	92		

Triple Layer, 4x Sterilized	Sample PT32	12/5/2020	99	μ	σ
	Sample PT33	12/5/2020	103		
	Sample PT34	12/5/2020	106		
	Sample PT35	12/5/2020	104		

Triple Layer, 5x Sterilized	Sample PT36	12/5/2020	94	μ	σ
	Sample PT37	12/5/2020	97		
	Sample PT38	12/5/2020	95		
	Sample PT39	12/5/2020	93		

Comparison with commercial Masks & Respirators

Surgical Mask	Sample PT40	20/05/2020	62	μ	σ
	Sample PT41	20/05/2020	67		
	Sample PT42	20/05/2020	64		
	Sample PT43	20/05/2020	69		

Disposable Face Mask FFP2	Sample PT44	20/05/2020	96	μ	σ
	Sample PT45	20/05/2020	89		
	Sample PT46	20/05/2020	92		
	Sample PT47	20/05/2020	93		

3M 8320 FFP2 NR D	Sample PT48	20/05/2020	56	μ	σ
	Sample PT49	20/05/2020	61		
	Sample PT50	20/05/2020	53		
	Sample PT51	20/05/2020	51		