Protective Face Masks – What are they made of and how do they work?

Unfortunately, face masks have become a part of our daily life and wardrobe. But do you know how they are produced and what the main differences are between the three most common type of face masks?

Have a look at the table below to discover some facts on face masks:

Name of layers531-5 (max)



INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY

Protection	Droplets + particles (0.1-1 µm)	Droplets (3 µm)	Droplets (3 µm)
Filtration efficiency	> 94% (0.1-1 μm)	> 97-98% (type II), (3 μm)	> 90% (3 μm)
Production process chemical/physical	Meltblown	Spunbond + Meltblown	Woven fabric
Polymers used (in composition)		POLYPROPYLENE poly(1-methylethylene)	CELLULOSE
	ELASTANE / SPANDEX / LYCRA	LASTANE / SPANDEX / LYCRA	ELASTANE / SPANDEX / LYCRA
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If you want to know more, have a look at the INTERACTIVE version of the poster via the QR code!