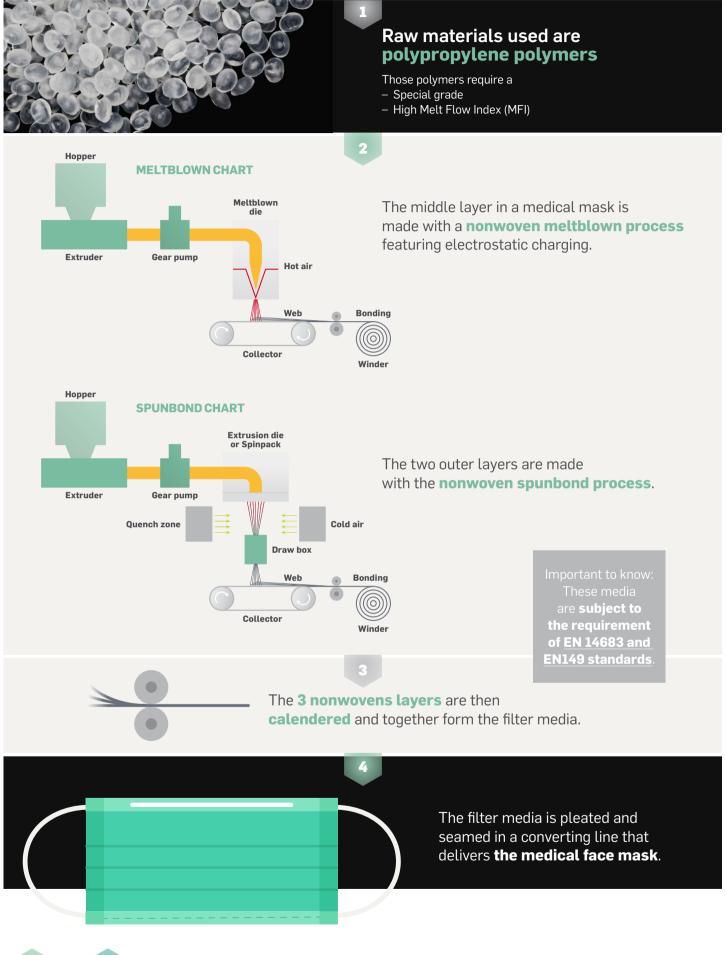


Main process for the production of medical face masks







Protective masks such as FFP2 or FFP3 are made in a similar way, but composed of 3 to 5 layers of nonwovens (made through a range of processes). Production include thermo forming as the final products are 3 dimensional for optimal fit. Find more information **here**.

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Current situation in the production of medical face masks



BOTTLENECKS



POSSIBLE SOLUTIONS

Meltblown capacity

Fast increase of nonwoven meltblown production capacity is needed

In parallel, the industry is looking into **alternative materials and manufacturing processes** for producing masks

Certification & long lead time

Certification labs are working around the clock to face the overload of demands regarding EN 14683 and EN 149 standard certifications

Converting capacity

There is limited capacity in Europe while capacity in other regions is much larger but may in cases of pandemics become captive.

Solution, promoted by the European Commission, is to install new capacity in EU. This is being monitored by EDANA, ESF and EURATEX.

A short-term alternative to the shortage of medical masks is to allow the (validated) **reprocessing and re-use** (of single-use devices) and/or **the use of reusable products**, for which some authorities have provided guidelines/derogations, to overcome non compliance with EN standards



