



Xavan® the smart reinforcement for face masks

DuPont™ Xavan® is a strong and easy to use stiffening and reinforcement fabric for multilayer filter elements. It ensures the shape of the masks remains stable, while providing excellent air-permeability. As DuPont™ Xavan® is made of 100% pure virgin PP polymer, it is perfect for an easy and trouble-free integration in the production process, where different PP components such as meltblown filters are laminated together to obtain performing face masks.

DuPont™ Xavan® offers outstanding characteristics that are key for producing high-quality face masks.

- Outstanding to support/stiffen laminated layers, especially in multi-layer face masks
- Excellent air permeability ranging from 90 m³ to 200m³/(m²*min), depending on density (weight/m²)
- As Xavan® is made of 100% PP, it doesn't absorb humidity. This ensures that the electrostatic charging for the particle filtration is not affected and favors a stable melting point temperature for a steady production flow.
- A high mechanical resistance that improves the form retention capacity compared to other spunbond material
- Easy to laminate and combine with other PP layers (ex. meltblown filter medium), due to the identical 165 °C melting point.
- Allows for fast lamination speed, without damaging the other mask components
- DuPont™ Xavan® is pre-compressed for maximum roll productivity
- Lightweight but strong protection of the filter medium
- Rigidity retention and capacity to retain pleats under pressure
- Easy to cut (no fraying or irregular edges)
- Structural uniformity across the entire material surface and no quality variation
- ISO-9001 certified material

DuPont™ Xavan® is supported by a strong technical team that can help you choose the right product for your application and design. Furthermore, DuPont™ Xavan® is also available in Food Approved grades to ensure the best possible quality for your face mask product range.

For more information, please contact our Marketing Manager, Carl Festré,
carl.festre@dupont.com, +32(0) 476 233782

Properties	Standard	Unit	5131-W 5131WF*	5161-W 5161WF*	5201-W 5201WF*	5261-W 5261WW 5261WF*	5401WF*
Descriptive properties							
Area weight	EN ISO 9864	g/m ²	45	55	68	90	136
Thickness at 2 kN/m ²	EN ISO 9863-1	mm	0.30	0.31	0.37	0.41	0.49
Hydraulic properties							
Opening size O _{90W}	EN ISO 12956	µm	230	225	225	175	120
Air Permeability 98 Pa	EN ISO 9237	m ³ /(m ² *min)	200	150	140	90	40

Packaging

Products can be dimensioned on request (depending on style)

Possible widths	89 mm - 2500 mm
Possible lengths	1000 m - 3500 m

Available certificates and tests

Products can be dimensioned on request (depending on style)

EU Food Contact Materials, Regulation EU N° 10/2011
US Food Contact Materials, Regulation 21 CFR 177.1520
Biological Reactivity test (in-vivo), USP <88> Class VI
Please reach out to your sales contact at DuPont to ensure obtaining updated compliance statements



The product information available here corresponds to our current knowledge on the subject. It is offered solely as information and to provide possible suggestions for your own experimentation to determine testing for yourself the suitability of our products. This information may be subject to revision as new knowledge and experience becomes available. Since we cannot anticipate all variations in actual end-use conditions DuPont de Nemours has no obligation relative to results and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent right.

DuPont de Nemours (Luxembourg) S.à r.l.
L-2984 Luxembourg

