



# Xavan® the sturdy reinforcement for pleated filters.

DuPont™ Xavan® is a strong and easy to use stiffening and reinforcement fabric for multilayer filter elements. It ensures the shape of the filter remains stable, while providing excellent permeability. At the same time, it protects the filter medium while keeping the pleats separated and open for optimal filtration of the liquids. 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 a performing pleated filter.

**DuPont™ Xavan®** offers outstanding characteristics that are key for producing high-quality pleated filters for the filtration of liquids.

- Ideal to maintain the separation of the pleats open in liquid filtration, especially with cellulose filter media
- Since Xavan® is hydrophobic it doesn't absorb humidity, contrary to PET materials. That avoids possible accumulation of microorganisms on the surface and contamination of the filtered liquid.
- Outstanding to support/stiffen laminated layers, especially in multi-layer pleated filters.
- Xavan® doesn't require any mechanical treatment that affects the fibers and creates dust particles, contrary to carded materials. Therefore, there is no linting at the surface or edges of the material.
- Lightweight but strong protection of the filter medium (cellulose or melt blown PP)
- Excellent permeability, depending on density (weight/m<sup>2</sup>)
- Rigidity retention and capacity to retain pleats under pressure
- Pure white, high grade virgin polymer, ISO 9001 certified. Also available in food and FDA approved grades.
- Structural uniformity across the entire material surface and no quality variation
- Easy to cut (no fraying or irregular edges)

**DuPont™ Xavan®** is supported by a strong technical team that can help you choose the right product for your application and design.

For more information, please contact our Marketing Manager, Carl Festré,  
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Properties	Standard	Unit	5131-W 5131WF*	5161-W 5161WF*	5201-W 5201WF*	5261-W 5261WW 5261WF*	5401WF*
<b>Descriptive properties</b>							
Area weight	EN ISO 9864	g/m <sup>2</sup>	45	55	68	90	136
Thickness at 2 kN/m <sup>2</sup>	EN ISO 9863-1	mm	0.30	0.31	0.37	0.41	0.49
<b>Hydraulic properties</b>							
Opening size O <sub>90W</sub>	EN ISO 12956	µm	230	225	225	175	120
Air Permeability 98 Pa	EN ISO 9237	m <sup>3</sup> /(m <sup>2</sup> *min)	200	150	140	90	40
<b>Hydraulic properties</b>							
Tensile strength MD / XD	EN 29073-3	N/5 cm	120 / 90	150 / 130	150 / 140	200 / 250	370 / 370
Elongation MD / XD	EN 29073-3	%	30 / 30	30 / 30	30 / 30	30 / 35	40 / 40

Note: MD = Machine Direction / XD = Cross Direction. The values correspond to average results obtained in our laboratories and outside institutes and are indicative. The right is reserved to make changes at any time without notice

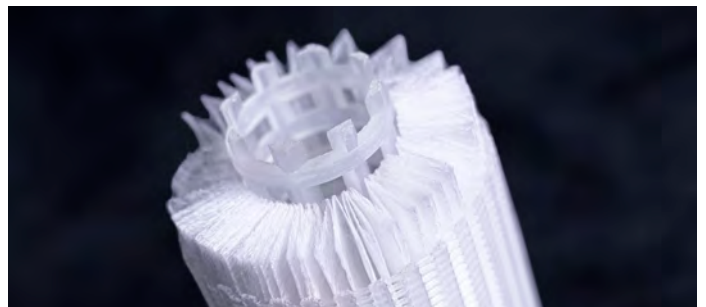
Product Description	
Polymer	100 % Polypropylene Process additives approved for food contact
Specific gravity	0.91
Melting point	165°C
Type of fibre	continuous filament
Fibre diameter	40/60 µm
Fibre bonding	Thermal bonding
Color	White

Packaging	
Products can be dimensioned on request (depending on style)	
Possible widths	89 mm - 2500 mm
Possible lengths	1000 m - 3500 m

Durability	
Natural UV light	Due to the absence of stabilizing additives, the product is not resistant to natural UV light
Moisture	Does not absorb moisture
Rot, mildew	Unaffected
Natural occurring acids and alkali	Unaffected
Chemical resistance EN 14030	100 % retained strength
Microbiological resistance EN 12225	100 % retained strength

*For WF Styles (Food Approved): 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



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