



Xavan®

The all-round polypropylene media carrier for air & liquid filtration applications

Xavan® is a strong, easy-to-use media carrier for multi-layer filter structures. It combines optimal stiffness with excellent air and liquid permeability, without compromising the performance of the effective filter media, even under most demanding conditions.

Features and Benefits:

- **Optimal Stiffness** - Xavan® exhibits high dimensional strength and resistance to elastic deformation under stress. This lends rigidity to the filter and helps ensuring that pleated structures remain open and retain their form under pressure, thus optimizing filtration performance.
- **High Air and Liquid Permeability** - Xavan® uniform fibrous structure and consistent distribution of melting points across the media surface allows for consistency in permeability, low differential pressures and laminated bond strength, resulting in less energy consumption. These performance characteristics are inherent to Xavan® since it is pre-compressed during the manufacturing process.
- **Ease of Handling** - Xavan® is used for seamless integration in both flat sheet and multi-layer filter media formats. Xavan® can also be cut without fraying or irregular edges, unlike other woven materials.
- **100% Polypropylene** - Xavan® is chemically stable and is a fully recyclable media component when used exclusively with other polypropylene components. **Food Approved Grades Available** - certificates available on request.

Xavan® is manufactured in accordance with the quality control standard ISO 9001 : 2015.

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

At DuPont, we are proud to create innovative, sustainable solutions while reducing our operational footprint. We now have Environmental Product Declarations for all Xavan® products manufactured by DuPont de Nemours (Luxembourg) S.à.r.l. Find out more via www.dupont.com/brands/xavan/sustainability.html.

Properties	Standard	Unit	5131-W 5131WF*	5161-W 5161WF*	5201-W 5201WF*	5261WW 5261WF*	5401WF*
Descriptive properties							
Area weight	EN ISO 9864 WSP 130.1	g/m ²	45	55	68	90	136
Thickness at 2 kPa	EN ISO 9863-1 WSP 120.6	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 200 Pa	EN ISO 9237 WSP 070.1	m ³ /m ² /min L/m ² /s	310 5167	230 3833	220 3667	140 2333	60 1000
Mechanical properties							
Tensile strength MD / XD	EN ISO 9073-3 WSP 110.4	N/5 cm	120 / 90	150 / 130	150 / 140	200 / 250	370 / 370
Elongation MD / XD	EN ISO 9073-3 WSP 110.4	%	30 / 30	30 / 30	30 / 30	30 / 35	40 / 40
Tear strength MD / XD	ASTM D4533 WSP 100.2*	N	110 / 110	120 / 120	150 / 150	190 / 220	390 / 340
Mullen Burst	ISO 2758	kPa	370	470	600	750	1350

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	
Sized to your needs (depending on style)	
width to	up to 5200 mm
length	up to 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 ISO 12960	100 % retained strength
Microbiological resistance EN 12225	100 % retained strength

*For WF Styles (Food Approved): Available certificates and tests
EU Food Contact Materials, Regulation EU N° 10 / 2011
US Food Contact Materials, Regulation 21 CFR 177.1520



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