

DUPONT™ XAVAN® FOOTWEAR

Technical Data Sheet

DuPont™ Xavan® styles for footwear applications are nonwoven fabrics composed of thermally bonded, continuous polypropylene filaments. The structure of Xavan® combines low thickness with high tensile strength and tear resistance in all directions.

Property	Standard	Unit	5331	5401	5481-3	5601-3	5701	5851	5941
Descriptive properties									
Area Weight	EN ISO 9864	g/m ²	110	136	165	190	240	290	320
Thickness at 2kN/m ²	EN ISO 9863-1	mm	0.48	0.49	0.52	0.59	0.67	0.74	0.77
Mechanical properties									
Tensile strength	EN ISO 29073-3	N/5cm	220	370	530	570	740	920	1130
Tear strength	ASTM D4533	N	280	370	340	450	560	640	540

*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
- Specific gravity 0.91
- Melting point 165°C
- Type of fibre continuous filament
- Fibre diameter 40/60 µm
- Fibre bonding Thermal bonding

Packaging

Products can be dimensioned on request (depending on style):

Possible widths	0.18 m - 5.2 m
Possible lengths	400 m - 2500 m

Durability

Natural UV light	Not to be used as an outer layer	
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

Further product information is available upon request. This information corresponds to our current knowledge on the subject. It is offered solely to provide possible suggestions for your own testing. It is not intended, however, to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for your particular purposes. 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 makes no warranties 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.

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