Yihe Core

Technical Data Sheet

F Series

DESCRIPTION

- Polyacrylonitrile Non-Woven Surface Mat, which provides better fiber print blocking performance than traditional glass or polyester fiber mats.
- Compatible with all standard types of resins, including unsaturated polyester, vinyl ester, phenolic resin, and epoxy resin.



APPLICATIONS

- Marine: hulls, decks, and other marine structures
- Transportation: automotive parts and panels for cars, trailers, trucks, and RVs
- Leisure: kayaks, swimming pools, etc.
- Other applications using the resin infusion or RTM process

ADVANTAGES

- Excellent surface finish
- Easy to process
- High elongation
- Good resin flow properties
- Gel coat can be replaced with pigmented resin

BASIC PROPERTIES

Properties		F60	F80	F100
Thickness	mm	0.30	0.40	0.50
Dry weight	g/m²	60	80	100
Elongation	%	100	100	100
Roll length	m	100	100	100
Roll width	m		Several widths	
Resin uptake	kg/m²	0.40	0.55	0.65
Binder			Needle punched	
Fiber type			PAN fiber	

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Notes:
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