Carbon Fiber Surfacing Mat

- High-temperature resistance
- Rub resistance
- Conduction,heat-conductive
- Corrosion resistance
- Aeolotropism ,soft,can be used to weave
- Along the fiber axis, has high tensile strength and Young's modulus

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- Applications

Carbon Fiber Reinforced Plastics Carbon fiber mat can make the surface of FRP/GRP articles smooth,conceal veins of woven roving,fabric or textile,pliantly affix the surface of complex shaped articles .

Chemical Vessels and filtration Carbon surfacing mat is used to produce all kinds of pipes,tanks and sumps because of corrosion for strong acid & alkali and seawater, and also to filter corrosive gas and liquid.

Cover of Electronic Instrument Covers made of carbon surfacing mat has more thin and lighter shell,high strength and stiffness for creep resistant,and EMC & RFI protection .

Electronic Industry Electronic components , devices & industrial equipment stage decorated with carbon fiber surfacing mat can effect EMC & RFI protection and ESD,and this mat can be used in reflection satellite .

- Techchnical Datas

Testing Items	Unit	CFM-20	CFM-30	CFM-40	CFM-50	CFM-60	CFM-80
Mass	g/m²	20	30	40	50	60	80
Tensile Strength MD	N/50mm	≥20	≥30	≥40	≥50	≥60	≥80
Fiber Filament Diamete	μm	6-7					
LOI	%	3-20					
Moisture Content	%	≤0.5					
Suface Resistivity	Ω	<10					
Width	mm	<1250					
Fiber Type	/	PAN based carbon					

Nanjing Lijian Composite Materials Co.,LTD.
Tel:0086-25-68923190 0086-13776546919
Fax:0086-25-68923190
Web:www.fiberglass-mat.com
E-mail:Sales@fiberglass-mat.com

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