南通复源新材料科技有限公司

NANTONG FUYUAN CARBON FIBER RECYCLING CO., LTD

FUY®再生碳纤维毡产品

FUY® Recycled Carbon Fiber Mat Products

1、品类及重要参数 Standard specification

无纺毡 Nonwoven mat

型号 Model	产品名称 Product name	材料组成 Material composition		面密度 Surface density /gsm	幅宽 Width /m	应用 Application		备注 Note
		CF 含量 CF content /wt.%	其它纤维含量 Other fiber CONT /wt.%			效用 Utility	应用例 Application example	
FUY-300-100-100	纯碳纤维毡	100	-	100	1.2 或 2.4	增强用 Use for enhancement	·热固复合材料（通过 SMC、RTM 或湿法模压） ·Thermosetting composites (By SMC, RTM or wet molding)	· 面密度、幅宽可定制 · Surface density, width can be customized
FUY-300-100-200	纯碳纤维毡	100	-	200				
FUY-300-100-400	纯碳纤维毡	100	-	400				
FUY-300-100-600	纯碳纤维毡	100	-	600				
FUY-300-100-800	纯碳纤维毡	100	-	800				
FUY-300-100-1000	纯碳纤维毡	100	-	1000				
FUY-310-40-200	CF/PA66 混合纤维毡	40	60	200	1.2 或 2.4	增强用 Use for enhancement	·碳纤维毡增强热塑复材 CMT 或轻质增强热塑复材（通过模压成型） · CMT or LWRT (By compression molding)	· CF 含量、面密度、幅宽可定制 CF · Content, surface density and width can be customized ·其它热塑纤维可定制 ·Thermoplastic fibers can be customized
FUY-310-30-200	CF/PA66 混合纤维毡	30	70	200				
FUY-310-20-200	CF/PA66 混合纤维毡	20	80	200				
FUY-323-40-200	CF/PP 混合纤维毡	40	60	200				
FUY-323-30-200	CF/PP 混合纤维毡	30	70	200				
FUY-323-20-200	CF/PP 混合纤维毡	20	80	200				

表面毡 Surface felt

型号 Model	面密度 Surface density /gsm	幅宽 Width /m	材料组成 Material composition		应用 Application		备注 Note
			CF 含量 CF content wt.%	其它组分含量 Other CMPT CONT /wt.%	效用 Utility	应用例 Application example	
FUY-500-X （X：10~60）	10~60	1.2 2.4	＞90	＜10	增强/功能	·防电磁波、导电、防火、隔热材料 ·Anti-electromagnetic wave, conductive, fireproof, heat insulation material ·热固或热塑复材 ·CFRTS or CFRTP	· CF 长度、面密度、幅宽可定制 · CF length, surface density, width can be customized

备注：1）碳纤维性能：拉伸强度≥4200MPa，拉伸模量≥240GPa。
2）碳纤维长度：无纺毡 70mm；表面毡 8mm。其它长度可以定制。
3）标准包装：25 公斤（对于 1.2 米幅宽、200gsm 毡，25 公斤长度约 105 米）。
4）表中数据均以复源新材实验法测得，为参考值而非保证值。

Note: 1) Carbon fiber properties: Tensile strength ≥4200MPa, tensile modulus ≥240GPa.
2) Carbon fiber length: 70mm for non-woven mat; 8mm for surface felt. Other lengths can be customized.
3) Standard packaging: 25 kilograms (for a 1.2-meter width and 200gsm felt, 25 kilograms is approximately 105 meters in length).
4) All the data in the table were measured by the FUY's experimental method and are reference values rather than guaranteed values.

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2、典型应用 Applications

● 无纺毡 Nonwoven mat

- ✓ 航空内饰件 Aviation interior parts
- ✓ 轨道交通、汽车部件 Automobile, rail transit parts3C electronic products
- ✓ 3C 电子产品 3C electronic products
- ✓ 机械部件 Mechanical parts
- ✓ 管道修补、炉体修补 Pipe repair, furnace repair

● 表面毡 Surface felt

- ✓ 工业隔热罩 Industrial heat insulation cover
- ✓ 化工抗静电管道 Chemical anti-static pipeline
- ✓ 高温过滤材 High temperature filter material
- ✓ 电池防火隔热壳体 Battery fire insulation housing
- ✓ 燃料电池和电子元件 Fuel cells and electronic components

FUY®碳纤维毡产品的使用注意事项 Precautions for product use

- 因碳纤维具有导电性，为防止用电事故，需对现场的各种电器进行防尘处理。Due to the conductivity of carbon fiber, various electronic and electrical equipment on site need to be protected against dust in order to prevent power accidents.
- 碳纤维或其制品沾在皮肤上可能会引起痒痛、发炎等症状，为保护呼吸器官、眼睛、皮肤，请使用相应的劳动防护用品。Carbon fiber or its products on the skin may cause itching, pain, inflammation and other symptoms. In order to protect respiratory organs, eyes and skin, please use corresponding labor protection articles.
- 其他使用说明，备有产品安全使用手册（MSDS），请向复源新材业务部索取。For other instructions, the material safety data sheets (MSDS) are available. Please ask FUY's business department for them.

备注 Notes

- 本资料列举的用途，仅是本制品的应用实例，复源新材不对其适用性、安全性做出保证。The product applications listed herein are only the application examples. FUY does not guarantee its applicability and safety.
- 使用时，请根据用途确认其安全性及相关限制等。When using the product, please confirm its safety and relevant restrictions according to its purpose.
- 建议用户事先调查自己产品的最终用途，以保证能正确使用复源新材的产品。为保证复源新材的产品不被误用或错用，建议与复源新材业务代表联系。Customers are advised to investigate the end use of their products in advance to ensure the correct use of FUY's products. In order to ensure that the FUY's products are not misused, it is recommended to contact the business representative of FUY.

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