

MATRIX PREPREG PRODUCT CATALOG



LOCATION

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MATRIX COMPOSITES

迈克瑞 复合材料

Matrix (Zuhai) Composites Co., Ltd.

迈克瑞 (珠海) 复合材料 有限公司

- Aerospace

- Automobile

-General Industry
(Wind Energy)

- Sport Leisure
(Golf Shaft, Fishing Rod,
Bike, Arrow Shaft)

-Civil Engineering
& Construction



MATRIX
COMPOSITES

PRODUCT CODE

- CF Modulus

24 : 24 ton / mm²
30 : 30 ton / mm²
35 : 35 ton / mm²
40 : 40 ton / mm²
46 : 46 ton / mm²

- Fiber Areal Wt.

Normally 55~300 g / m²

24 **GS** - **125** **3** **R3**

- Resin Content

R1 : 36 %
R2 : 33 %
R3 : 30 %
R4 : 27 %
R5 : 25 %

- Scrim Type

NS : No Scrim
GS : Glass Scrim

- Glass Scrim Weight

3 : 25 g / m²



24 TON NO SCRIM CF PREPREG

24Ton CF PREPREG

NAME	TOTAL Wt. (g/m ²)	FIBER AREAL Wt. (g/m ²)	R / C (%)	THICKNESS (mm)
24NS-050R1	92	55	40	0.061
24NS-075R1	119	75	37	0.079
24NS-100R1	159	100	37	0.105
24NS-125R1	198	125	37	0.131
24NS-150R1	238	150	37	0.158
24NS-175R1	278	175	37	0.184
24NS-200R1	317	200	37	0.210
24NS-075R2	112	75	33	0.073
24NS-100R2	149	100	33	0.097
24NS-125R2	187	125	33	0.122
24NS-150R2	224	150	33	0.146
24NS-175R2	261	175	33	0.170
24NS-200R2	299	200	33	0.194



24 TON NO SCRIM CF PREPREG

24Ton CF PREPREG

NAME	TOTAL Wt. (g/m ²)	FIBER AREAL Wt. (g/m ²)	R / C (%)	THICKNESS (mm)
24NS-100R3	143	100	30	0.092
24NS-125R3	179	125	30	0.115
24NS-150R3	214	150	30	0.138
24NS-175R3	250	175	30	0.161
24NS-200R3	286	200	30	0.184
24NS-100R5	133	100	25	0.084
24NS-125R5	167	125	25	0.105
24NS-150R5	200	150	25	0.126
24NS-175R5	233	175	25	0.147
24NS-200R5	267	200	25	0.168

TENSILE STRENGTH

TENSILE MODULUS

FIBER DENSITY

RESIN DENSITY

500 kgf / mm²

23.5 x 10³ kgf / mm²

1.8 g / cm³

1.2 g / cm³



24 TON GLASS SCRIM CF PREPREG

24 Ton CF PREPREG

NAME	TOTAL Wt. (g/m ²)	BOTTOM FIBER AREAL Wt. (g/m ²)	SCRIM FIBER Wt. (g/m ²)	BOTTOM R / C (%)	THICKNESS (mm)
24GS-0503R1	127	55	25	40	0.080
24GS-0753R2	148	75	25	33	0.092
24GS-1003R3	179	100	25	30	0.111
24GS-1253R3	215	125	25	30	0.134
24GS-1503R3	250	150	25	30	0.157
24GS-1753R3	286	175	25	30	0.180
24GS-2003R3	321	200	25	30	0.203
24GS-1003R5	169	100	25	25	0.103
24GS-1253R5	203	125	25	25	0.124
24GS-1503R5	236	150	25	25	0.145
24GS-1753R5	269	175	25	25	0.166
24GS-2003R5	302	200	25	25	0.187

TENSILE STRENGTH

500 kgf / mm²

TENSILE MODULUS

23.5 x 10³ kgf / mm²

FIBER DENSITY

1.8 g / cm³

RESIN DENSITY

1.2 g / cm³



30 TON NO SCRIM CF PREPREG

30 Ton CF PREPREG

NAME	TOTAL Wt. (g/m ²)	FIBER AREAL Wt. (g/m ²)	R / C (%)	THICKNESS (mm)
30NS-050R1	92	55	40	0.061
30NS-075R2	112	75	33	0.073
30NS-100R2	149	100	33	0.097
30NS-125R2	187	125	33	0.122
30NS-150R2	224	150	33	0.146
30NS-175R2	261	175	33	0.170
30NS-100R3	143	100	30	0.092
30NS-125R3	179	125	30	0.115
30NS-150R3	214	150	30	0.138
30NS-175R3	250	175	30	0.161
30NS-100R5	133	100	25	0.084
30NS-125R5	167	125	25	0.105
30NS-150R5	200	150	25	0.126
30NS-175R5	233	175	25	0.147

TENSILE STRENGTH
TENSILE MODULUS
FIBER DENSITY
RESIN DENSITY

600 kgf / mm²
30 x 10³ kgf / mm²
1.8 g / cm³
1.2 g / cm³



30 TON GLASS SCRIM CF PREPREG

30 Ton CF PREPREG

NAME	TOTAL Wt. (g/m ²)	BOTTOM FIBER AREAL Wt. (g/m ²)	SCRIM FIBER Wt. (g/m ²)	BOTTOM R / C (%)	THICKNESS (mm)
30GS-0503R1	127	55	25	40	0.080
30GS-0753R2	148	75	25	33	0.092
30GS-1003R3	179	100	25	30	0.111
30GS-1253R3	215	125	25	30	0.134
30GS-1503R3	250	150	25	30	0.157
30GS-1753R3	286	175	25	30	0.180
30GS-1003R5	169	100	25	25	0.103
30GS-1253R5	203	125	25	25	0.124
30GS-1503R5	236	150	25	25	0.145
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TENSILE STRENGTH

TENSILE MODULUS

FIBER DENSITY

RESIN DENSITY

600 kgf / mm²

30 x 10³ kgf / mm²

1.8 g / cm³

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