

Carbon Fiber

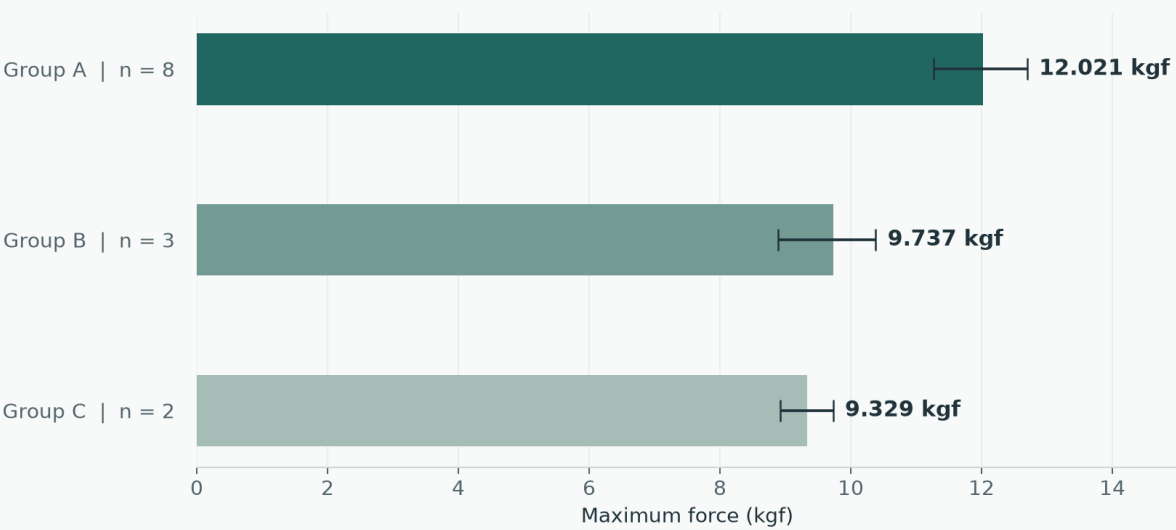
Material Test Records

English translation and data visualization

Test date: 25 April 2025. This English edition reproduces the numerical tables in the three-page supplied Chinese test record. Prepared for reference; it is not a new laboratory report.

Material test results

Bars: reported mean maximum force | Whiskers: observed minimum to maximum



Source: supplied test records, 25 Apr 2025, pp. 1-3. Different sample counts; no pass/fail criteria stated.

Group / source page	Specimens	Mean max. force	Observed range
A / page 1	8	12.021 kgf	11.272-12.699 kgf
B / page 2	3	9.737 kgf	8.886-10.383 kgf
C / page 3	2	9.329 kgf	8.926-9.731 kgf

Reading the data

Groups have different sample counts and incomplete specimen identification. These results do not establish equivalent geometry, a controlled material comparison, a finished-umbrella rating or a pass/fail decision.

Charts plot the tabulated values only. The scanned force-displacement curves have not been reconstructed because underlying curve data are unavailable.

Group A / Source page 1

English translation of printed test record

Issuer heading: Younai (Lianxing) Composite Materials Technology Co., Ltd. (transliteration of the Chinese name; official English company name not verified).

Field	Recorded value
Customer	Younai
Operator	Zhang Qifei
Material	Carbon fiber
Test date / time	25 April 2025 / 08:57:28
Specimen description	2.8
Test speed	50.000 mm/min
Gauge length	100.000 mm
Test standard	Blank in source

No.	Maximum force (kgf)	Deformation at maximum force (mm)	Compression ratio (%)
1	11.956	9.418	9.435
2	11.522	9.314	9.353
3	11.751	9.349	9.389
4	12.314	9.712	9.750
5	12.270	9.556	9.582
6	12.699	9.934	9.954
7	11.272	8.916	8.954
8	12.383	9.838	9.857
Maximum	12.699	9.934	9.954
Minimum	11.272	8.916	8.954
Mean	12.021	9.505	9.534

Translation notes

The printed specimen descriptions are retained. The source does not specify a unit for 2.8. Handwritten notes include 2.74 on page 1 and 2.72 on pages 2 and 3; their meaning and unit are not confirmed.

The third measurement column is translated literally as compression ratio (%). The test fixture and calculation method are not described.

These are material-specimen records, not a finished-umbrella wind rating or certification. No pass/fail criteria, formal test-standard number or batch traceability are provided.

Group B / Source page 2

English translation of printed test record

Issuer heading: Younai (Lianxing) Composite Materials Technology Co., Ltd. (transliteration of the Chinese name; official English company name not verified).

Field	Recorded value
Customer	Younai
Operator	Zhang Qifei
Material	Carbon fiber
Test date / time	25 April 2025 / 09:26:37
Specimen description	Customer 2.8, unlabelled
Test speed	50.000 mm/min
Gauge length	100.000 mm
Test standard	Blank in source

No.	Maximum force (kgf)	Deformation at maximum force (mm)	Compression ratio (%)
1	8.886	7.340	7.369
2	10.383	9.079	9.125
3	9.942	8.806	8.844
Maximum	10.383	9.079	9.125
Minimum	8.886	7.340	7.369
Mean	9.737	8.408	8.446

Translation notes

The printed specimen descriptions are retained. The source does not specify a unit for 2.8. Handwritten notes include 2.74 on page 1 and 2.72 on pages 2 and 3; their meaning and unit are not confirmed.

The third measurement column is translated literally as compression ratio (%). The test fixture and calculation method are not described.

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Group C / Source page 3

English translation of printed test record

Issuer heading: Younai (Lianxing) Composite Materials Technology Co., Ltd. (transliteration of the Chinese name; official English company name not verified).

Field	Recorded value
Customer	Younai
Operator	Zhang Qifei
Material	Carbon fiber
Test date / time	25 April 2025 / 09:21:33
Specimen description	Customer 2.8, labelled
Test speed	50.000 mm/min
Gauge length	100.000 mm
Test standard	Blank in source

No.	Maximum force (kgf)	Deformation at maximum force (mm)	Compression ratio (%)
1	9.731	8.216	8.258
2	8.926	7.490	7.528
Maximum	9.731	8.216	8.258
Minimum	8.926	7.490	7.528
Mean	9.329	7.853	7.893

Translation notes

The printed specimen descriptions are retained. The source does not specify a unit for 2.8. Handwritten notes include 2.74 on page 1 and 2.72 on pages 2 and 3; their meaning and unit are not confirmed.

The third measurement column is translated literally as compression ratio (%). The test fixture and calculation method are not described.

These are material-specimen records, not a finished-umbrella wind rating or certification. No pass/fail criteria, formal test-standard number or batch traceability are provided.