

APPENDIX FRP TESTING REPORT

Flexural and tensile test summary based on uploaded appendix test records

3 TEST SETS

FRP

PROFILES

TEST SNAPSHOT

Main test

Flexural Testing

Profile 1

100 × 100 × 8 mm

Profile 2

203 × 56 × 9.5 mm

Profile 3

100 × 75 × 6.4 mm RHS

Test types

Flexural / Tensile

REPORT DETAILS

Batch No.	20240425
Test standard	GB/1448
Temperature	20°C / 16°C
Humidity	60%
Speed	5 mm/min
Conclusion	Data summary only

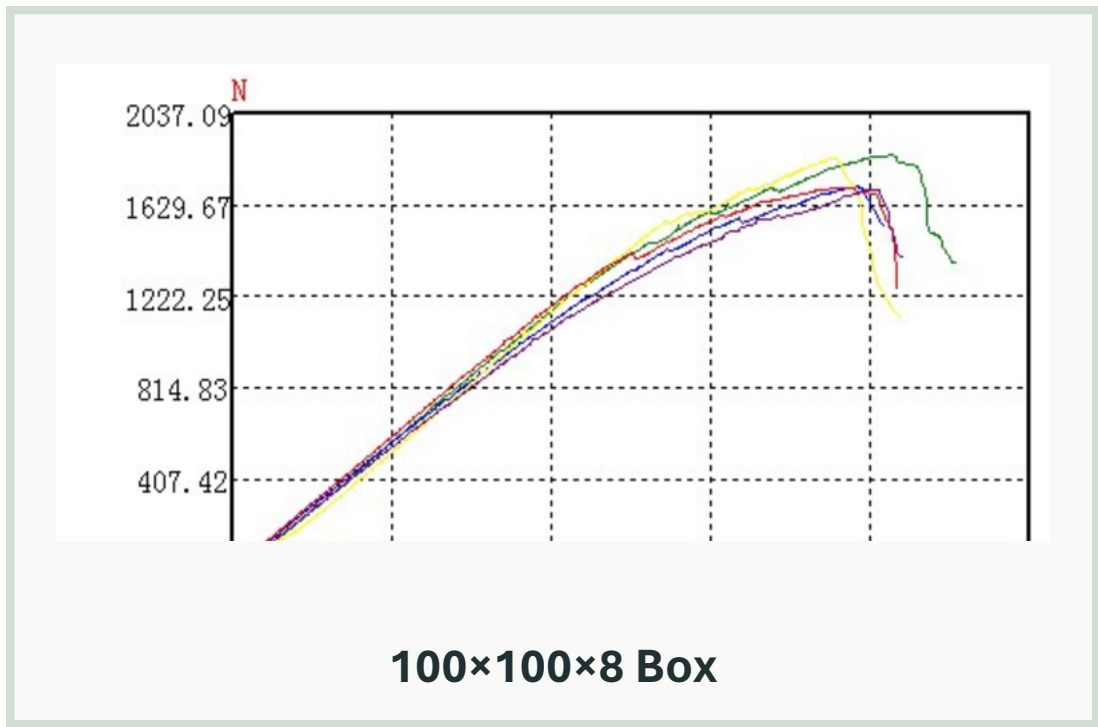
SUMMARY RESULTS

Condensed average and peak values extracted from the three appendix test sheets.

Test / Profile	Condition	Average Load	Strength	Elastic Modulus
Flexural 100×100×8 box	GB/1448 20°C	1761.79 N	618.2 MPa	21.76 GPa
Flexural 203×56×9.5 C	20°C Gauge 104 mm	1836.16 N	431.2 MPa	19.97 GPa
Stretching 100×75×6.4 RHS	16°C Elongation 20%	35015.3 N	383.32 MPa	7.16 GPa
Peak values	Max results	37011.06 N	639.69 / 390.57 MPa	22.62 / 7.39 GPa

Note: Values are reformatted from source test sheets for presentation use; test specimens are reported as profile samples.

TEST CURVES



KEY CONDITIONS

Deflection

50 mm

Flexural temp

20°C

Gauge lengths

40 / 104 / 100 mm

Tensile temp

16°C