

12 mm GFRP Rebar Inspection

Delivery inspection summary for GFRP rebar against ASTM D7205 requirements.

PRODUCT

GFRP rebar

SPECIFICATION

Φ 12 mm

OUTCOME

PASS

INSPECTION OVERVIEW

Product name	GFRP rebar	Specification	Φ 12 mm
Batch quantity	1 batch total 13249.5 meters	Inspection quantity	3 pcs
Inspection standard	ASTM D7205	Environmental temperature	23°C
Relative humidity	55%		

INSPECTION RESULTS

Inspection item	Technical requirement	Result 1	Result 2	Result 3	Conclusion
Appearance	Even texture, no bubble or crack	✓	✓	✓	Pass
Diameter (mm)	12 ±0.2	12.2	12.2	12.1	Pass
Bar straightness (mm/m)	≤3	/	/	/	Pass
Tensile strength (MPa)	≥1312	1402	1357	1409	Pass
Elasticity modulus (GPa)	≥65.6	67.51	67.41	65.81	Pass
Ultimate strain (%)	≥1.2	2.08	1.94	2.14	Pass

OVERALL RESULT

All recorded inspection results are marked as Pass.