

BambuLab Standard Black Walnut PLA Wood Brown

MaterialID MAT0175



3DPiceland Labs
Generated with 3DPiceland Engineering Platform v60.0.6
WORKFLOW-RELIABILITY - Bug Fixes and Workflow
Reliability
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Traceability boundary: canonical per-module measured dates are shown below. Session identifier, time of day, operator, printer/slicer profile and environmental conditions are Not recorded and are never inferred.

Measurement provenance

Canonical SQLite measured dates use ISO format; missing dates remain Not recorded.

Module	Measured date
Tensile	Not recorded
Impact	Not recorded
Stiffness	Not recorded

Status Complete	Result modules 3/3	Specimen/result records 39	Public details Approved
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Specimen and result quality

Module	Orientation	Average	Std. dev.	CV	Specimens	Confidence	Validation
Tensile	Upright	3,538 MPa	1,777 MPa	0,502%	8	8/10	OK
Tensile	Flat	31,746 MPa	4,37 MPa	0,138%	10	10/10	OK

Module	Orientation	Average	Std. dev.	CV	Specimens	Confidence	Validation
Impact	Upright	122,092 kJ/m ²	29,529 kJ/m ²	0,242%	10	10/10	OK
Impact	Flat	242,878 kJ/m ²	43,096 kJ/m ²	0,177%	10	10/10	OK
Stiffness	Three-point bend	2510,37 MPa	n/a	n/a	1	Complete	OK

Recorded native inputs

Module	Input set	Recorded values
Tensile	Upright force inputs (N)	42, 18, 12, 30, 8, 25, 16, 33, ,
Tensile	Flat force inputs (N)	182, 227, 214, 211, 161, 232, 231, 221, 226, 159
Impact	Upright needle inputs (%)	4,5, 8,5, 8, 8, 5, 7,5, 9, 9, 8, 5
Impact	Flat needle inputs (%)	17, 17, 17, 13, 11, 15, 10,5, 12, 15,5, 15
Stiffness	Revolutions / degrees	2 / 15

Approved test notes

Method and equipment context

Purpose-built tensile, pendulum impact and three-point bend apparatus are used with the governed Settings Manager constants consumed by ResultsService. Results are comparative and do not claim accredited-laboratory equipment.

[Testing methodology](#) · [Engineering methodology whitepaper](#) · [Download PDF](#)

reports/test-sessions/MAT0175/