

BambuLab Matte PLA Matte Black

MaterialID MAT0070



3DPiceland Labs
Generated with 3DPiceland Engineering Platform v60.0.6
WORKFLOW-RELIABILITY - Bug Fixes and Workflow
Reliability
2026-08-25 19:04:35

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	5,614 MPa	2,496 MPa	0,445%	8	8/10	OK
Tensile	Flat	23,994 MPa	2,135 MPa	0,089%	10	10/10	OK

Module	Orientation	Average	Std. dev.	CV	Specimens	Confidence	Validation
Impact	Upright	77,055 kJ/m ²	6,665 kJ/m ²	0,087%	10	10/10	OK
Impact	Flat	675,49 kJ/m ²	67,882 kJ/m ²	0,1%	10	10/10	OK
Stiffness	Three-point bend	3075,204 MPa	n/a	n/a	1	Complete	OK

Recorded native inputs

Module	Input set	Recorded values
Tensile	Upright force inputs (N)	73, 26, 36, 29, 40, 22, 26, 40, ,
Tensile	Flat force inputs (N)	161, 152, 162, 161, 157, 176, 161, 163, 125, 142
Impact	Upright needle inputs (%)	4,00, 5,00, 4,00, 5,00, 4,50, 4,50, 4,50, 5,00, 5,00, 4,50
Impact	Flat needle inputs (%)	40,00, 38,00, 33,00, 39,00, 47,00, 35,00, 45,00, 41,00, 43,00, 44,00
Stiffness	Revolutions / degrees	1 / 240

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/MAT0070/