

Public test session report

Prusa3D Buddy3D ABS Black

MaterialID MAT0003



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
36

Public details
Approved

Specimen and result quality

Module	Orientation	Average	Std. dev.	CV	Specimens	Confidence	Validation
Tensile	Upright	7,018 MPa	1,302 MPa	0,186%	8	8/10	OK
Tensile	Flat	24,182 MPa	3,424 MPa	0,142%	9	9/10	OK

Module	Orientation	Average	Std. dev.	CV	Specimens	Confidence	Validation
Impact	Upright	71,177 kJ/m ²	21,22 kJ/m ²	0,298%	8	8/10	OK
Impact	Flat	981,585 kJ/m ²	134,006 kJ/m ²	0,137%	10	10/10	OK
Stiffness	Three-point bend	1724,413 MPa	n/a	n/a	1	Complete	OK

Recorded native inputs

Module	Input set	Recorded values
Tensile	Upright force inputs (N)	56, 39, 52, 52, 30, 49, 42, 45, ,
Tensile	Flat force inputs (N)	173, 146, 159, 182, 157, 177, 172, 114, 135,
Impact	Upright needle inputs (%)	3,00, 5,00, 7,00, 4,00, 4,00, 4,00, 3,50, 3,50, ,
Impact	Flat needle inputs (%)	51,00, 58,00, 61,00, 67,00, 58,00, 85,00, 55,00, 86,00, 51,00, 93,00
Stiffness	Revolutions / degrees	2 / 350

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](#)

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