

Public test session report

Prusa3D Prusament Jet Black PETG Black

MaterialID MAT0047



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	13,953 MPa	3,933 MPa	0,282%	7	7/10	OK
Tensile	Flat	33,838 MPa	2,686 MPa	0,079%	10	10/10	OK

Module	Orientation	Average	Std. dev.	CV	Specimens	Confidence	Validation
Impact	Upright	31,245 kJ/m ²	13,961 kJ/m ²	0,447%	8	8/10	OK
Impact	Flat	113,556 kJ/m ²	23,486 kJ/m ²	0,207%	10	10/10	OK
Stiffness	Three-point bend	1263,782 MPa	n/a	n/a	1	Complete	OK

Recorded native inputs

Module	Input set	Recorded values
Tensile	Upright force inputs (N)	114, 77, 123, 77, 114, 58, 72, , ,
Tensile	Flat force inputs (N)	226, 232, 218, 215, 224, 221, 243, 211, 232, 178
Impact	Upright needle inputs (%)	1,00, 2,00, 2,00, 1,00, 3,00, 1,00, 3,00, 2,00, ,
Impact	Flat needle inputs (%)	7,00, 6,50, 9,50, 8,00, 5,00, 6,00, 5,00, 7,00, 6,00, 7,50
Stiffness	Revolutions / degrees	4 / 20

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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