

Public test session report

Prusa3D Prusament PETG Pro Green

MaterialID MAT0057



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

Specimen and result quality

Module	Orientation	Average	Std. dev.	CV	Specimens	Confidence	Validation
Tensile	Upright	4,422 MPa	2,855 MPa	0,646%	8	8/10	OK
Tensile	Flat	44,989 MPa	2,536 MPa	0,056%	10	10/10	OK

Module	Orientation	Average	Std. dev.	CV	Specimens	Confidence	Validation
Impact	Upright	90,614 kJ/m ²	16,367 kJ/m ²	0,181%	10	10/10	OK
Impact	Flat	312,297 kJ/m ²	78,397 kJ/m ²	0,251%	10	10/10	OK
Stiffness	Three-point bend	1708,447 MPa	n/a	n/a	1	Complete	OK

Recorded native inputs

Module	Input set	Recorded values
Tensile	Upright force inputs (N)	68, 9, 29, 30, 11, 38, 22, 23, ,
Tensile	Flat force inputs (N)	292, 298, 305, 296, 306, 309, 254, 301, 285, 279
Impact	Upright needle inputs (%)	3,50, 5,00, 5,00, 6,50, 6,00, 5,50, 5,00, 5,50, 7,00, 5,00
Impact	Flat needle inputs (%)	22,00, 21,00, 23,00, 12,00, 20,00, 22,00, 12,00, 12,50, 22,00, 17,00
Stiffness	Revolutions / degrees	3 / 0

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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