

Public test session report

Prusa3D Buddy3D PLA Glitter Red

MaterialID MAT0139



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
41

Public details
Approved

Specimen and result quality

Module	Orientation	Average	Std. dev.	CV	Specimens	Confidence	Validation
Tensile	Upright	20,672 MPa	3,868 MPa	0,187%	10	10/10	OK
Tensile	Flat	38,544 MPa	5,204 MPa	0,135%	10	10/10	OK

Module	Orientation	Average	Std. dev.	CV	Specimens	Confidence	Validation
Impact	Upright	147,675 kJ/m ²	28,253 kJ/m ²	0,191%	10	10/10	OK
Impact	Flat	193,918 kJ/m ²	30,671 kJ/m ²	0,158%	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)	110, 119, 144, 84, 140, 144, 132, 163, 170, 138
Tensile	Flat force inputs (N)	286, 287, 199, 239, 282, 258, 195, 231, 261, 268
Impact	Upright needle inputs (%)	7,00, 6,00, 8,00, 7,00, 9,00, 11,00, 10,00, 9,50, 10,00, 10,00
Impact	Flat needle inputs (%)	10,00, 10,00, 10,00, 10,00, 13,00, 13,50, 9,50, 12,00, 14,50, 12,00
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/MAT0139/