

Public test session report

Prusa3D Buddy3D Lila 3DP Iceland PLA Purple



MaterialID MAT0136

3DP Iceland Labs

Generated with 3DP Iceland 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	23,394 MPa	2,57 MPa	0,11%	10	10/10	OK
Tensile	Flat	38,268 MPa	4,514 MPa	0,118%	10	10/10	OK

Module	Orientation	Average	Std. dev.	CV	Specimens	Confidence	Validation
Impact	Upright	88,079 kJ/m ²	17,936 kJ/m ²	0,204%	10	10/10	OK
Impact	Flat	156,201 kJ/m ²	18,583 kJ/m ²	0,119%	10	10/10	OK
Stiffness	Three-point bend	2635,889 MPa	n/a	n/a	1	Complete	OK

Recorded native inputs

Module	Input set	Recorded values
Tensile	Upright force inputs (N)	173, 135, 173, 124, 170, 137, 152, 150, 153, 154
Tensile	Flat force inputs (N)	267, 277, 219, 262, 202, 265, 270, 278, 241, 207
Impact	Upright needle inputs (%)	3,00, 4,00, 6,00, 5,00, 6,50, 5,00, 6,00, 5,50, 6,00, 5,50
Impact	Flat needle inputs (%)	10,50, 9,00, 10,00, 10,50, 10,00, 7,50, 9,50, 8,00, 9,50, 8,00
Stiffness	Revolutions / degrees	1 / 340

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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