

Public test session report

Prusa3D Prusament Linden Light PLA Wood Wood Brown

MaterialID MAT0144



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
39

Public details
Approved

Specimen and result quality

Module	Orientation	Average	Std. dev.	CV	Specimens	Confidence	Validation
Tensile	Upright	3,634 MPa	1,689 MPa	0,465%	8	8/10	OK
Tensile	Flat	20,856 MPa	1,962 MPa	0,094%	10	10/10	OK

Module	Orientation	Average	Std. dev.	CV	Specimens	Confidence	Validation
Impact	Upright	91,451 kJ/m ²	11,603 kJ/m ²	0,127%	10	10/10	OK
Impact	Flat	258,342 kJ/m ²	28,991 kJ/m ²	0,112%	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)	8, 34, 7, 28, 32, 20, 34, 26, ,
Tensile	Flat force inputs (N)	135, 142, 132, 113, 141, 153, 120, 136, 131, 153
Impact	Upright needle inputs (%)	4,00, 5,00, 5,00, 6,00, 6,00, 6,00, 5,00, 6,00, 6,00, 5,50
Impact	Flat needle inputs (%)	12,00, 15,00, 13,00, 17,00, 15,00, 15,00, 17,00, 16,00, 17,00, 15,00
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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