

Yasin Standard Wood PLA Wood Wood Brown

MaterialID MAT0145



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 37	Public details Approved
---------------------------	------------------------------	---	-----------------------------------

Specimen and result quality

Module	Orientation	Average	Std. dev.	CV	Specimens	Confidence	Validation
Tensile	Upright	3,512 MPa	1,24 MPa	0,353%	6	6/10	OK
Tensile	Flat	27,009 MPa	4,879 MPa	0,181%	10	10/10	OK

Module	Orientation	Average	Std. dev.	CV	Specimens	Confidence	Validation
Impact	Upright	125,525 kJ/m ²	35,295 kJ/m ²	0,281%	10	10/10	OK
Impact	Flat	266,077 kJ/m ²	17,209 kJ/m ²	0,065%	10	10/10	OK
Stiffness	Three-point bend	2306,403 MPa	n/a	n/a	1	Complete	OK

Recorded native inputs

Module	Input set	Recorded values
Tensile	Upright force inputs (N)	32, 26, 31, 14, 20, 14, , , ,
Tensile	Flat force inputs (N)	161, 201, 192, 181, 166, 136, 203, 112, 197, 207
Impact	Upright needle inputs (%)	5,00, 4,00, 5,00, 7,00, 8,00, 9,00, 8,50, 9,50, 9,00, 9,50
Impact	Flat needle inputs (%)	14,50, 16,00, 15,00, 15,00, 15,00, 15,00, 16,00, 18,00, 16,00, 16,00
Stiffness	Revolutions / degrees	2 / 80

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/MAT0145/