

Winkle Standard Maple Wood PLA HD Wood White

MaterialID MAT0163



3DPiceland Labs
Generated with 3DPiceland Engineering Platform v60.0.6
WORKFLOW-RELIABILITY - Bug Fixes and Workflow
Reliability
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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
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Specimen and result quality

Module	Orientation	Average	Std. dev.	CV	Specimens	Confidence	Validation
Tensile	Upright	2,23 MPa	1,31 MPa	0,588%	8	8/10	OK
Tensile	Flat	24,686 MPa	7,4 MPa	0,3%	10	10/10	OK

Module	Orientation	Average	Std. dev.	CV	Specimens	Confidence	Validation
Impact	Upright	159,608 kJ/m ²	6,315 kJ/m ²	0,04%	10	10/10	OK
Impact	Flat	307,298 kJ/m ²	20,405 kJ/m ²	0,066%	10	10/10	OK
Stiffness	Three-point bend	2580,591 MPa	n/a	n/a	1	Complete	OK

Recorded native inputs

Module	Input set	Recorded values
Tensile	Upright force inputs (N)	5, 15, 17, 6, 15, 25, 27, 6, ,
Tensile	Flat force inputs (N)	100, 218, 135, 135, 213, 92, 190, 209, 187, 126
Impact	Upright needle inputs (%)	9,50, 9,50, 10,00, 9,00, 9,50, 10,00, 9,00, 9,00, 9,50, 9,50
Impact	Flat needle inputs (%)	18,00, 19,00, 20,00, 16,50, 18,50, 16,00, 17,50, 18,00, 19,00, 18,00
Stiffness	Revolutions / degrees	1 / 355

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/MAT0163/