

Public test session report

Thorwell Standard HIPS HIPS Blue

MaterialID MAT0146



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
33

Public details
Approved

Specimen and result quality

Module	Orientation	Average	Std. dev.	CV	Specimens	Confidence	Validation
Tensile	Upright	2,192 MPa	0,715 MPa	0,326%	4	4/10	OK
Tensile	Flat	19,995 MPa	4,734 MPa	0,237%	10	10/10	OK

Module	Orientation	Average	Std. dev.	CV	Specimens	Confidence	Validation
Impact	Upright	123,182 kJ/m ²	35,166 kJ/m ²	0,285%	8	8/10	OK
Impact	Flat	612,586 kJ/m ²	39,533 kJ/m ²	0,065%	10	10/10	OK
Stiffness	Three-point bend	1882,778 MPa	n/a	n/a	1	Complete	OK

Recorded native inputs

Module	Input set	Recorded values
Tensile	Upright force inputs (N)	16, 19, 8, 14, , , , ,
Tensile	Flat force inputs (N)	141, 145, 143, 148, 160, 88, 153, 131, 128, 63
Impact	Upright needle inputs (%)	3,50, 8,50, 7,00, 5,00, 8,00, 9,50, 8,00, 9,00, ,
Impact	Flat needle inputs (%)	32,00, 35,00, 35,00, 37,00, 36,00, 38,00, 36,00, 35,00, 41,00, 39,00
Stiffness	Revolutions / degrees	2 / 260

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/MAT0146/