Public test session report

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MaterialID MAT0216

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	2026-07-31
Impact	2026-08-01
Stiffness	2026-07-31

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	2,725 MPa	1,16 MPa	0,426%	7	7/10	OK
Tensile	Flat	34,094 MPa	3,872 MPa	0,114%	9	9/10	OK

Module	Orientation	Average	Std. dev.	CV	Specimens	Confidence	Validation
Impact	Upright	104,226 kJ/m²	28,402 kJ/m²	0,273%	10	10/10	OK
Impact	Flat	924,145 kJ/m²	28,34 kJ/m²	0,031%	10	10/10	OK
Stiffness	Three-point bend	2120,83 MPa	n/a	n/a	1	Complete	OK

Recorded native inputs

Module	Input set	Recorded values
Tensile	Upright force inputs (N)	23, 14, 26, 12, 22, 5, 22, , ,
Tensile	Flat force inputs (N)	246, 186, 237, 223, 236, 240, 190, 192, 245,
Impact	Upright needle inputs (%)	5, 4,5, 6, 6, 4,5, 9,5, 7, 4,5, 7,5, 7,5
Impact	Flat needle inputs (%)	63, 59, 61, 61, 57, 58, 57, 58, 55, 57
Stiffness	Revolutions / degrees	2 / 150

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.

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