Public test session report

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MaterialID MAT0240

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	2026-08-19
Impact	2026-08-20
Stiffness	2026-08-18

Status	Result modules	Specimen/result records	Public details
Complete	**3/3**	**40**	**Approved**

Specimen and result quality

Module	Orientation	Average	Std. dev.	CV	Specimens	Confidence	Validation
Tensile	Upright	1,88 MPa	1,079 MPa	0,574%	9	9/10	OK
Tensile	Flat	16,965 MPa	4,413 MPa	0,26%	10	10/10	OK

Module	Orientation	Average	Std. dev.	CV	Specimens	Confidence	Validation
Impact	Upright	110,155 kJ/m²	23,179 kJ/m²	0,21%	10	10/10	OK
Impact	Flat	728,495 kJ/m²	113,902 kJ/m²	0,156%	10	10/10	OK
Stiffness	Three-point bend	1984,002 MPa	n/a	n/a	1	Complete	OK

Recorded native inputs

Module	Input set	Recorded values
Tensile	Upright force inputs (N)	15, 5, 5, 8, 19, 21, 22, 8, 7,
Tensile	Flat force inputs (N)	76, 145, 70, 142, 100, 100, 116, 104, 154, 96
Impact	Upright needle inputs (%)	4, 9, 8, 7,5, 6,5, 6,5, 6, 6, 6, 6
Impact	Flat needle inputs (%)	68, 45, 44, 46, 40, 42, 38, 37, 44, 40
Stiffness	Revolutions / degrees	2 / 210

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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