Public test session report

Spectrum Greeney Pro Real Green PLA Green

MaterialID MAT0226

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	2026-08-13
Impact	2026-08-13
Stiffness	2026-08-11

Status
Complete

Result modules
3/3

Specimen/result records
36

Public details
Approved

Specimen and result quality

Module	Orientation	Average	Std. dev.	CV	Specimens	Confidence	Validation
Tensile	Upright	2,538 MPa	1,194 MPa	0,471%	6	6/10	OK
Tensile	Flat	26,455 MPa	7,647 MPa	0,289%	9	9/10	OK

Module	Orientation	Average	Std. dev.	CV	Specimens	Confidence	Validation
Impact	Upright	107,58 kJ/m²	13,772 kJ/m²	0,128%	10	10/10	OK
Impact	Flat	510,611 kJ/m²	47,975 kJ/m²	0,094%	10	10/10	OK
Stiffness	Three-point bend	2883,003 MPa	n/a	n/a	1	Complete	OK

Recorded native inputs

Module	Input set	Recorded values
Tensile	Upright force inputs (N)	5, 28, 20, 13, 19, 14, , , ,
Tensile	Flat force inputs (N)	85, 191, 181, 168, 216, 233, 166, 206, 102,
Impact	Upright needle inputs (%)	5,5, 7, 6, 6, 6, 8, 7, 5,5, 7, 6
Impact	Flat needle inputs (%)	29, 28, 28, 35, 34, 27, 31, 28, 28, 33
Stiffness	Revolutions / degrees	1 / 280

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

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