Public test session report

Siraya Tech Fiberheart White ABS High Temp White

MaterialID MAT0202

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	2026-07-24
Impact	Not recorded
Stiffness	Not recorded

Status
Complete

Result modules
3/3

Specimen/result records
39

Public details
Approved

Specimen and result quality

Module	Orientation	Average	Std. dev.	CV	Specimens	Confidence	Validation
Tensile	Upright	4,96 MPa	1,162 MPa	0,234%	8	8/10	OK
Tensile	Flat	28,501 MPa	4,716 MPa	0,165%	10	10/10	OK

Module	Orientation	Average	Std. dev.	CV	Specimens	Confidence	Validation
Impact	Upright	155,342 kJ/m²	17,205 kJ/m²	0,111%	10	10/10	OK
Impact	Flat	920,233 kJ/m²	35,315 kJ/m²	0,038%	10	10/10	OK
Stiffness	Three-point bend	2050,136 MPa	n/a	n/a	1	Complete	OK

Recorded native inputs

Module	Input set	Recorded values
Tensile	Upright force inputs (N)	44, 29, 24, 32, 34, 35, 39, 21, ,
Tensile	Flat force inputs (N)	202, 183, 223, 160, 205, 225, 204, 141, 154, 156
Impact	Upright needle inputs (%)	8, 8, 9, 9,5, 9, 10, 10, 8, 11, 9,5
Impact	Flat needle inputs (%)	64, 62, 60, 60, 56, 57, 56, 56, 57, 55
Stiffness	Revolutions / degrees	2 / 180

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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