

Siraya Tech Fiberheart Black ASA GF Black

MaterialID MAT0197



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 39	Public details Approved
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Specimen and result quality

Module	Orientation	Average	Std. dev.	CV	Specimens	Confidence	Validation
Tensile	Upright	4,903 MPa	2,562 MPa	0,523%	8	8/10	OK
Tensile	Flat	29,27 MPa	5,857 MPa	0,2%	10	10/10	OK

Module	Orientation	Average	Std. dev.	CV	Specimens	Confidence	Validation
Impact	Upright	166,475 kJ/m ²	20,583 kJ/m ²	0,124%	10	10/10	OK
Impact	Flat	369,734 kJ/m ²	22,789 kJ/m ²	0,062%	10	10/10	OK
Stiffness	Three-point bend	2277,929 MPa	n/a	n/a	1	Complete	OK

Recorded native inputs

Module	Input set	Recorded values
Tensile	Upright force inputs (N)	20, 43, 28, 20, 37, 12, 30, 65, ,
Tensile	Flat force inputs (N)	200, 166, 134, 184, 244, 265, 175, 174, 181, 180
Impact	Upright needle inputs (%)	10, 10, 8, 10, 10, 11, 7,5, 11, 10, 11
Impact	Flat needle inputs (%)	20, 23, 21, 21, 21, 23, 24, 22, 20, 22
Stiffness	Revolutions / degrees	2 / 90

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/MAT0197/

