

Siraya Tech Fiberheart
Black TPU GF Black

3DP Iceland
— Labs —

MaterialID MAT0200

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	0202-01-01
Impact	Not recorded
Stiffness	Not recorded

Status
Partial

Result modules
2/3

Specimen/result
records
40

Public details
Approved

Specimen and result quality

Module	Orientation	Average	Std. dev.	CV	Specimens	Confidence	Validation
Tensile	Upright	8,736 MPa	1,672 MPa	0,191%	10	10/10	OK
Tensile	Flat	34,73 MPa	1,932 MPa	0,056%	10	10/10	OK

Module	Orientation	Average	Std. dev.	CV	Specimens	Confidence	Validation
Impact	Upright	301,293 kJ/m ²	20,719 kJ/m ²	0,069%	10	10/10	OK
Impact	Flat	1158,647 kJ/m ²	31,908 kJ/m ²	0,028%	10	10/10	OK
Stiffness	Three-point bend	n/a	n/a	n/a	0		OK

Recorded native inputs

Module	Input set	Recorded values
Tensile	Upright force inputs (N)	50, 47, 71, 70, 65, 44, 45, 69, 55, 52
Tensile	Flat force inputs (N)	236, 223, 235, 214, 210, 219, 208, 232, 241, 240
Impact	Upright needle inputs (%)	19, 19, 15, 18, 17, 18,5, 17, 18,5, 17,5, 17,5
Impact	Flat needle inputs (%)	92, 94, 90, 91, 86, 90, 89, 73, 93, 91
Stiffness	Revolutions / degrees	

Approved test notes

Stiffness	DNF
-----------	-----

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/MAT0200/