

Siraya Tech Fiberheart
Black ABS Core CF
Black

3DP Iceland
— Labs —

MaterialID MAT0207

3DP Iceland Labs
Generated with 3DP Iceland 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	2026-07-30
Impact	2026-07-30
Stiffness	2026-07-30

Status
Complete

Result modules
3/3

Specimen/result
records
41

Public details
Approved

Specimen and result quality

Module	Orientation	Average	Std. dev.	CV	Specimens	Confidence	Validation
Tensile	Upright	4,399 MPa	1,966 MPa	0,447%	10	10/10	OK
Tensile	Flat	34,069 MPa	7,243 MPa	0,213%	10	10/10	OK

Module	Orientation	Average	Std. dev.	CV	Specimens	Confidence	Validation
Impact	Upright	182,742 kJ/m ²	8,284 kJ/m ²	0,045%	10	10/10	OK
Impact	Flat	355,243 kJ/m ²	18,025 kJ/m ²	0,051%	10	10/10	OK
Stiffness	Three-point bend	3844,005 MPa	n/a	n/a	1	Complete	OK

Recorded native inputs

Module	Input set	Recorded values
Tensile	Upright force inputs (N)	43, 25, 30, 23, 50, 34, 28, 13, 33, 7
Tensile	Flat force inputs (N)	165, 296, 209, 183, 239, 201, 218, 253, 163, 288
Impact	Upright needle inputs (%)	11, 10,5, 11, 11, 10, 11, 11, 11, 10, 11,5
Impact	Flat needle inputs (%)	20, 22, 19,5, 20, 20, 22, 22, 22, 20, 21
Stiffness	Revolutions / degrees	1 / 120

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/MAT0207/