

Sunlu Standard Black PLA High Speed Black

MaterialID MAT0187



3DPiceland Labs
Generated with 3DPiceland Engineering Platform v60.0.6
WORKFLOW-RELIABILITY - Bug Fixes and Workflow
Reliability
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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 41	Public details Approved
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Specimen and result quality

Module	Orientation	Average	Std. dev.	CV	Specimens	Confidence	Validation
Tensile	Upright	4,199 MPa	2,635 MPa	0,628%	10	10/10	OK
Tensile	Flat	41,359 MPa	5,283 MPa	0,128%	10	10/10	OK

Module	Orientation	Average	Std. dev.	CV	Specimens	Confidence	Validation
Impact	Upright	170,754 kJ/m ²	21,706 kJ/m ²	0,127%	10	10/10	OK
Impact	Flat	363,733 kJ/m ²	32,671 kJ/m ²	0,09%	10	10/10	OK
Stiffness	Three-point bend	3127,326 MPa	n/a	n/a	1	Complete	OK

Recorded native inputs

Module	Input set	Recorded values
Tensile	Upright force inputs (N)	16, 44, 41, 26, 59, 10, 22, 11, 36, 8
Tensile	Flat force inputs (N)	288, 251, 255, 283, 303, 201, 271, 302, 304, 231
Impact	Upright needle inputs (%)	10, 9,5, 9,5, 13,5, 9,5, 10, 9, 10, 10,5, 9,5
Impact	Flat needle inputs (%)	23, 22, 24, 24, 21, 21, 19, 21, 20, 18,5
Stiffness	Revolutions / degrees	1 / 230

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/MAT0187/