

Winkle Standard Glaciar White PLA High Speed White

MaterialID MAT0164



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 39	Public details Approved
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Specimen and result quality

Module	Orientation	Average	Std. dev.	CV	Specimens	Confidence	Validation
Tensile	Upright	15,073 MPa	4,927 MPa	0,327%	8	8/10	OK
Tensile	Flat	42,051 MPa	7,761 MPa	0,185%	10	10/10	OK

Module	Orientation	Average	Std. dev.	CV	Specimens	Confidence	Validation
Impact	Upright	169,89 kJ/m ²	13,664 kJ/m ²	0,08%	10	10/10	OK
Impact	Flat	218,806 kJ/m ²	18,91 kJ/m ²	0,086%	10	10/10	OK
Stiffness	Three-point bend	3237,057 MPa	n/a	n/a	1	Complete	OK

Recorded native inputs

Module	Input set	Recorded values
Tensile	Upright force inputs (N)	90, 137, 45, 126, 95, 110, 61, 120, ,
Tensile	Flat force inputs (N)	244, 264, 257, 313, 296, 303, 321, 312, 273, 151
Impact	Upright needle inputs (%)	10,00, 10,00, 10,00, 10,00, 11,50, 8,50, 10,00, 9,50, 10,00, 11,00
Impact	Flat needle inputs (%)	12,00, 12,00, 12,00, 14,00, 14,00, 13,00, 14,00, 13,00, 14,00, 11,00
Stiffness	Revolutions / degrees	1 / 210

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/MAT0164/