

Winkle Matte PLA Matte Red

MaterialID MAT0074



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 Partial	Result modules 2/3	Specimen/result records 20	Public details Approved
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Specimen and result quality

Module	Orientation	Average	Std. dev.	CV	Specimens	Confidence	Validation
Tensile	Upright	20,559 MPa	3,041 MPa	0,148%	9	9/10	OK
Tensile	Flat	34,345 MPa	1,058 MPa	0,031%	10	10/10	OK
Impact	Upright	n/a	n/a	n/a	0	n/a	OK

Module	Orientation	Average	Std. dev.	CV	Specimens	Confidence	Validation
Impact	Flat	n/a	n/a	n/a	0	n/a	OK
Stiffness	Three-point bend	1902,188 MPa	n/a	n/a	1	Complete	OK

Recorded native inputs

Module	Input set	Recorded values
Tensile	Upright force inputs (N)	127, 147, 125, 119, 164, 103, 160, 132, , 126
Tensile	Flat force inputs (N)	219, 222, 223, 224, 222, 225, 226, 230, 208, 234
Impact	Upright needle inputs (%)	, , , , , , , , ,
Impact	Flat needle inputs (%)	, , , , , , , , ,
Stiffness	Revolutions / degrees	2 / 250

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](#)

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