

Spectrum Premium Forest Green ABS Green

MaterialID MAT0228



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	2026-08-15
Impact	2026-08-16
Stiffness	2026-08-15

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	2,249 MPa	1,598 MPa	0,711%	8	8/10	OK
Tensile	Flat	21,456 MPa	5,747 MPa	0,268%	10	10/10	OK

Module	Orientation	Average	Std. dev.	CV	Specimens	Confidence	Validation
Impact	Upright	127,194 kJ/m ²	27,041 kJ/m ²	0,213%	10	10/10	OK
Impact	Flat	1041,865 kJ/m ²	75,928 kJ/m ²	0,073%	10	10/10	OK
Stiffness	Three-point bend	941,389 MPa	n/a	n/a	1	Complete	OK

Recorded native inputs

Module	Input set	Recorded values
Tensile	Upright force inputs (N)	10, 35, 9, 9, 7, 27, 11, 9, ,
Tensile	Flat force inputs (N)	160, 133, 179, 136, 90, 178, 78, 105, 169, 167
Impact	Upright needle inputs (%)	4, 7, 9, 7,5, 7, 8, 8,5, 10, 7, 7,5
Impact	Flat needle inputs (%)	55, 67, 67, 77, 75, 65, 67, 88, 75, 72
Stiffness	Revolutions / degrees	5 / 160

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/MAT0228/