

IC3D Standard PETG Clear

MaterialID MAT0053



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 38	Public details Approved
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Specimen and result quality

Module	Orientation	Average	Std. dev.	CV	Specimens	Confidence	Validation
Tensile	Upright	12,107 MPa	4,155 MPa	0,343%	7	7/10	OK
Tensile	Flat	29,885 MPa	1,837 MPa	0,061%	10	10/10	OK

Module	Orientation	Average	Std. dev.	CV	Specimens	Confidence	Validation
Impact	Upright	20,795 kJ/m ²	9,024 kJ/m ²	0,434%	10	10/10	OK
Impact	Flat	64,471 kJ/m ²	29,265 kJ/m ²	0,454%	10	10/10	OK
Stiffness	Three-point bend	1175,237 MPa	n/a	n/a	1	Complete	OK

Recorded native inputs

Module	Input set	Recorded values
Tensile	Upright force inputs (N)	117, 114, 74, 57, 54, 55, 80, , ,
Tensile	Flat force inputs (N)	209, 196, 194, 205, 198, 174, 199, 187, 205, 176
Impact	Upright needle inputs (%)	1,00, 1,00, 1,00, 1,00, 1,00, 1,00, 1,00, 2,00, 2,50, 1,00
Impact	Flat needle inputs (%)	4,00, 7,50, 2,00, 4,00, 5,50, 1,50, 3,00, 4,50, 3,00, 3,50
Stiffness	Revolutions / degrees	4 / 130

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/MAT0053/