

3D Fuel PCTG Toolbox

Red PCTG Pro GF Red



MaterialID MAT0040

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

Specimen and result quality

Module	Orientation	Average	Std. dev.	CV	Specimens	Confidence	Validation
Tensile	Upright	5,287 MPa	2,29 MPa	0,433%	8	8/10	OK
Tensile	Flat	35,407 MPa	3,999 MPa	0,113%	10	10/10	OK

Module	Orientation	Average	Std. dev.	CV	Specimens	Confidence	Validation
Impact	Upright	102,492 kJ/m ²	17,821 kJ/m ²	0,174%	10	10/10	OK
Impact	Flat	508,692 kJ/m ²	66,143 kJ/m ²	0,13%	10	10/10	OK
Stiffness	Three-point bend	1845,122 MPa	n/a	n/a	1	Complete	OK

Recorded native inputs

Module	Input set	Recorded values
Tensile	Upright force inputs (N)	21, 50, 55, 18, 21, 49, 28, 33, ,
Tensile	Flat force inputs (N)	244, 248, 206, 256, 227, 257, 248, 209, 230, 177
Impact	Upright needle inputs (%)	6,00, 7,50, 8,00, 6,00, 6,50, 5,50, 6,00, 6,00, 4,50, 5,00
Impact	Flat needle inputs (%)	32,00, 26,00, 26,00, 32,00, 35,00, 34,00, 25,00, 25,00, 32,00, 33,00
Stiffness	Revolutions / degrees	2 / 280

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/MAT0040/