

Bedrock 3D Standard Black PC/ABS FR Black

MaterialID MAT0245



3DPiceland Labs
Generated with 3DPiceland Engineering Platform v70.0.4
DIRECT-IMPACT-METHODOLOGY - Izod and Charpy
Methodology
2026-10-04 18:10:39

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	2026-09-05
Impact	2026-09-11
Izod	Not recorded
Charpy	Not recorded
Stiffness	2026-09-05

Rigid test status Partial	Rigid result modules 4/6	Rigid specimen/result records 37	Public details Approved
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Rigid specimen and result quality

Module	Orientation	Average	Std. dev.	CV	Specimens	Confidence	Validation
Tensile	Upright	1,897 MPa	0,931 MPa	0,491%	6	6/10	OK

Module	Orientation	Average	Std. dev.	CV	Specimens	Confidence	Validation
Tensile	Flat	45,481 MPa	4,271 MPa	0,094%	10	10/10	OK
Impact	Upright	6,083 kJ/m ²	0,796 kJ/m ²	0,131%	10	10/10	OK
Impact	Flat	56,714 kJ/m ²	0,335 kJ/m ²	0,006%	10	10/10	OK
Stiffness	Three-point bend	2306,403 MPa	n/a	n/a	1	Complete	OK

Recorded native inputs

Module	Input set	Recorded values
Tensile	Upright force inputs (N)	5, 11, 18, 8, 21, 11, , , ,
Tensile	Flat force inputs (N)	316, 304, 303, 300, 316, 306, 300, 242, 322, 248
Impact	Upright needle inputs (%)	5, 8, 8, 8, 8, 7, 8, 7, 8, 8
Impact	Flat needle inputs (%)	96, 96, 97, 91, 97, 97, 96, 96, 95, 88
Stiffness	Revolutions / degrees	2 / 80

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/MAT0245/

