

## Public test session report

# Prusa3D Prusament PC Blend PC CF Black

MaterialID MAT0029



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  
**Complete**

Result modules  
**3/3**

Specimen/result  
records  
**40**

Public details  
**Approved**

## Specimen and result quality

| Module  | Orientation | Average       | Std.<br>dev. | CV     | Specimens | Confidence | Validation |
|---------|-------------|---------------|--------------|--------|-----------|------------|------------|
| Tensile | Upright     | 10,136<br>MPa | 3,675<br>MPa | 0,363% | 10        | 10/10      | OK         |
| Tensile | Flat        | 45,989<br>MPa | 1,412<br>MPa | 0,031% | 10        | 10/10      | OK         |

| Module    | Orientation      | Average                   | Std. dev.                | CV     | Specimens | Confidence | Validation |
|-----------|------------------|---------------------------|--------------------------|--------|-----------|------------|------------|
| Impact    | Upright          | 97,015 kJ/m <sup>2</sup>  | 14,77 kJ/m <sup>2</sup>  | 0,152% | 9         | 9/10       | OK         |
| Impact    | Flat             | 548,571 kJ/m <sup>2</sup> | 24,498 kJ/m <sup>2</sup> | 0,045% | 10        | 10/10      | OK         |
| Stiffness | Three-point bend | 3481,363 MPa              | n/a                      | n/a    | 1         | Complete   | OK         |

## Recorded native inputs

| Module    | Input set                 | Recorded values                                                      |
|-----------|---------------------------|----------------------------------------------------------------------|
| Tensile   | Upright force inputs (N)  | 78, 52, 70, 89, 89, 28, 75, 96, 36, 46                               |
| Tensile   | Flat force inputs (N)     | 283, 308, 296, 299, 297, 298, 310, 305, 308, 286                     |
| Impact    | Upright needle inputs (%) | 5,00, 5,00, 5,50, 7,00, 6,50, 5,00, 6,00, 7,00, 5,00,                |
| Impact    | Flat needle inputs (%)    | 34,00, 35,00, 33,00, 32,00, 33,00, 33,00, 32,00, 31,00, 30,00, 31,00 |
| Stiffness | Revolutions / degrees     | 1 / 170                                                              |

## 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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