

## Public test session report

# Prusa3D Prusament Vanilla White PLA White

MaterialID MAT0141



3DP Iceland Labs

Generated with 3DP Iceland 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  
**41**

Public details  
**Approved**

## Specimen and result quality

| Module  | Orientation | Average       | Std.<br>dev. | CV     | Specimens | Confidence | Validation |
|---------|-------------|---------------|--------------|--------|-----------|------------|------------|
| Tensile | Upright     | 11,136<br>MPa | 5,895<br>MPa | 0,529% | 10        | 10/10      | OK         |
| Tensile | Flat        | 38,452<br>MPa | 3,846<br>MPa | 0,1%   | 10        | 10/10      | OK         |

| Module    | Orientation      | Average                  | Std. dev.                | CV     | Specimens | Confidence | Validation |
|-----------|------------------|--------------------------|--------------------------|--------|-----------|------------|------------|
| Impact    | Upright          | 51,787 kJ/m <sup>2</sup> | 14,71 kJ/m <sup>2</sup>  | 0,284% | 10        | 10/10      | OK         |
| Impact    | Flat             | 153,66 kJ/m <sup>2</sup> | 29,004 kJ/m <sup>2</sup> | 0,189% | 10        | 10/10      | OK         |
| Stiffness | Three-point bend | 2795,64 MPa              | n/a                      | n/a    | 1         | Complete   | OK         |

## Recorded native inputs

| Module    | Input set                 | Recorded values                                                 |
|-----------|---------------------------|-----------------------------------------------------------------|
| Tensile   | Upright force inputs (N)  | 130, 42, 64, 73, 81, 46, 1, 112, 110, 65                        |
| Tensile   | Flat force inputs (N)     | 272, 263, 246, 269, 278, 198, 219, 261, 249, 245                |
| Impact    | Upright needle inputs (%) | 2,00, 3,50, 4,00, 3,00, 4,50, 3,00, 1,50, 3,00, 3,50, 3,00      |
| Impact    | Flat needle inputs (%)    | 10,00, 7,00, 7,00, 9,50, 7,00, 8,00, 10,50, 11,50, 10,50, 10,00 |
| Stiffness | Revolutions / degrees     | 1 / 300                                                         |

## 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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