

Prima Creator  
PrimaSelect Abyss  
Blue PLA Satin Blue

MaterialID MAT0114



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<br>Complete | Result modules<br>3/3 | Specimen/result<br>records<br>40 | Public details<br>Approved |
|--------------------|-----------------------|----------------------------------|----------------------------|

Specimen and result quality

| Module  | Orientation | Average    | Std. dev. | CV     | Specimens | Confidence | Validation |
|---------|-------------|------------|-----------|--------|-----------|------------|------------|
| Tensile | Upright     | 3,777 MPa  | 1,772 MPa | 0,469% | 9         | 9/10       | OK         |
| Tensile | Flat        | 38,114 MPa | 8,911 MPa | 0,234% | 10        | 10/10      | OK         |

| Module    | Orientation      | Average                   | Std. dev.                | CV     | Specimens | Confidence | Validation |
|-----------|------------------|---------------------------|--------------------------|--------|-----------|------------|------------|
| Impact    | Upright          | 243,728 kJ/m <sup>2</sup> | 10,76 kJ/m <sup>2</sup>  | 0,044% | 10        | 10/10      | OK         |
| Impact    | Flat             | 327,842 kJ/m <sup>2</sup> | 35,046 kJ/m <sup>2</sup> | 0,107% | 10        | 10/10      | OK         |
| Stiffness | Three-point bend | 2073,171 MPa              | n/a                      | n/a    | 1         | Complete   | OK         |

## Recorded native inputs

| Module    | Input set                 | Recorded values                                                      |
|-----------|---------------------------|----------------------------------------------------------------------|
| Tensile   | Upright force inputs (N)  | 12, 9, 32, 35, 31, 26, 8, 33, 35,                                    |
| Tensile   | Flat force inputs (N)     | 169, 282, 284, 277, 283, 288, 278, 288, 138, 191                     |
| Impact    | Upright needle inputs (%) | 14,50, 15,00, 14,00, 14,00, 15,00, 15,00, 14,50, 13,00, 14,50, 14,00 |
| Impact    | Flat needle inputs (%)    | 18,00, 20,00, 21,00, 21,00, 15,00, 17,50, 20,00, 19,00, 22,00, 19,00 |
| Stiffness | Revolutions / degrees     | 2 / 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](#)

reports/test-sessions/MAT0114/