

Public printing recommendation

# Yasin Standard Natural POM Natural

MaterialID MAT0232



3DPiceland Labs  
Generated with 3DPiceland Engineering Platform v60.0.6  
WORKFLOW-RELIABILITY - Bug Fixes and Workflow  
Reliability  
2026-08-25 19:05:46

**Guidance boundary:** values below are shared base-material guidance resolved only through the canonical BaseMaterialId link. They are not manufacturer-, spool- or printer-specific validated settings. Missing fields remain Not recorded.

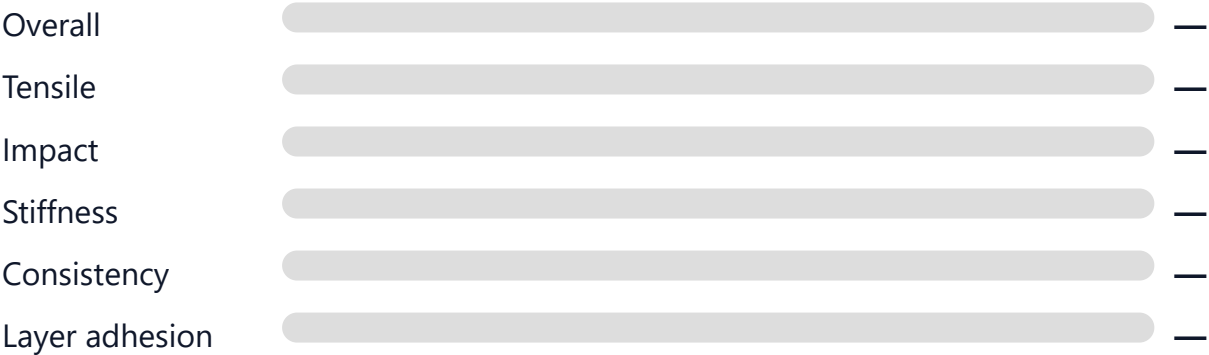
Overall  
—

Engineering axes  
**0/5**

Public rank  
—

MSRP USD/kg  
**36.64**

## Engineering profile



### Recommended applications

- Cosmetic parts, concept models or low-load prototypes
- Avoid high tensile load applications
- Avoid high impact components

### Measured strengths

- Best available signal: No scored metric at 0/100.

### Limitations

### Engineering trade-offs

- Main watch item: No scored metric at 0/100.

- The report should be read as a suitability warning rather than a general-purpose recommendation.

## Base-material printing guidance

| Guidance                   | Minimum                    | Recommended | Maximum | Unit  |
|----------------------------|----------------------------|-------------|---------|-------|
| Nozzle temperature         | 230                        | 230         | 260     | °C    |
| Bed temperature            | 110                        | 110         | 100     | °C    |
| Print speed                | 11                         | 67          | 7       | mm/s  |
| Cooling                    | 0                          | 0           | 5       | %     |
| Guidance                   | Value                      |             |         | Unit  |
| Cooling guidance           | Off                        |             |         |       |
| Drying temperature         | 60                         |             |         | °C    |
| Drying time                | 8                          |             |         | hours |
| Enclosure                  | Heated chamber recommended |             |         |       |
| Printer / G-code reference | PrusaCoreOneL              |             |         |       |
| Slicer profile reference   | Yasin PVA                  |             |         |       |

## Print workflow checks

- Confirm nozzle temperature, bed temperature, speed, cooling and drying requirements from the manufacturer profile or spool label.
- Print a small validation part before committing to a long, costly or safety-relevant print.
- Orient the part so the governing load does not rely on an unverified or weak engineering axis.
- Layer-adhesion evidence is weak; avoid critical Z-axis loading without additional validation.
- Repeatability is low on the internal scale; run extra validation specimens before relying on the profile.

## Decision guidance

- Use this material mainly for low-load, visual or experimental parts.
- Do not choose it as a tensile-strength benchmark material.
- Avoid selecting it for impact-focused testing or shock-loaded designs.

## Stronger same-family alternatives

| MaterialID                                                                                                                                                            | Material | Manufacturer | Overall | Tensile | Impact |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------|---------|---------|--------|
| Confirm exact settings against the manufacturer profile, spool label and actual printer/material combination. Results do not replace application-specific validation. |          |              |         |         |        |

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