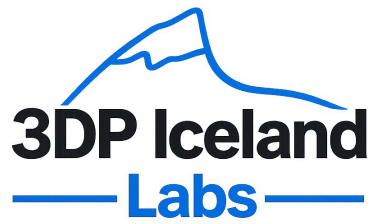


Public printing recommendation

Yasin Standard Green PCTG Green

MaterialID MAT0238



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
37/100

Engineering axes
6/5

Public rank
221 / 234

MSRP USD/kg
33.44

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: Consistency at 67/100.

Limitations

Engineering trade-offs

- Tensile: 22/100. Avoid using this as the primary choice for tensile-loaded parts.
- Impact: 12/100. Avoid high impact or shock-loaded components without additional validation.
- Consistency: 67/100. Repeatability may not be the best reason to choose this filament.
- Layer adhesion: 30/100. Z-axis performance should be treated with caution.

- Good repeatability does not compensate for low tensile capability in load-bearing designs.
- 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	250	260	260	°C
Bed temperature	80	80	80	°C
Print speed	55	110	110	mm/s
Cooling	10	40	40	%
Guidance	Value			Unit
Cooling guidance	Low			
Drying temperature	65			°C
Drying time	3			hours
Enclosure	Not required			
Printer / G-code reference	PrusaCoreOneL			
Slicer profile reference	3D Fuel PCTG			

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.
- Engineering/high-temperature family: confirm enclosure, ventilation, warping control and material-specific drying requirements.
- Layer-adhesion evidence is weak; avoid critical Z-axis loading without additional validation.

Decision guidance

- Use this material mainly for low-load, visual or experimental parts.
- Review the listed alternatives if the application needs stronger overall performance.
- 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
MAT0039	3D Fuel PCTG PCTG Pro CF Black	3D Fuel	48/100	27/100	26/100
MAT0041	3D Fuel PCTG Cobalt Blue PCTG Pro Blue	3D Fuel	44/100	34/100	17/100
MAT0227	Spectrum Smart Sky Blue PCTG Blue	Spectrum	43/100	34/100	23/100

Confirm exact settings against the manufacturer profile, spool label and actual printer/material combination. Results do not replace application-specific validation.

[Testing methodology](#) · [Download PDF](#)

reports/printing-recommendations/MAT0238/