

Public printing recommendation

Yasin Standard Clear PMMA Clear

MaterialID MAT0035



3DPiceland Labs

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WORKFLOW-RELIABILITY - Bug Fixes and Workflow

Reliability

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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
39/100

Engineering axes
6/5

Public rank
211 / 234

MSRP USD/kg
36.80

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: 20/100. Avoid using this as the primary choice for tensile-loaded parts.
 - Impact: 31/100. Avoid high impact or shock-loaded components without additional validation.
 - Stiffness: 30/100. Expect less shape stability than the stronger materials in the same family.
- 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	250	260	°C
Bed temperature	90	90	90	°C
Print speed	10	55	55	mm/s
Cooling	0	0	10	%

Guidance	Value	Unit
Cooling guidance	Off	
Drying temperature	80	°C
Drying time	12	hours
Enclosure	Not required	
Printer / G-code reference	PrusaCoreOneL	
Slicer profile reference	Yasin PMMA	

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.

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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