Public printing recommendation

Prusa3D Prusament Light Yellow PVB Yellow

MaterialID MAT0038

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	Public rank	MSRP USD/kg
61/100	**6/5**	**9 / 234**	**32.00**

Engineering profile

Recommended applications

- Rigid brackets, fixtures and shape-stable prototypes
- Repeatable print jobs and production-style batches

Measured strengths

- Consistency: 86/100. Repeatability is one of the stronger signals in this material profile.
- Stiffness: 72/100. Stiffness is a relative advantage in this comparison group.

Limitations

Engineering trade-offs

- Tensile: 35/100. Avoid using this as the primary choice for tensile-loaded parts.

- Good repeatability does not compensate for low tensile capability in load-bearing designs.

Base-material printing guidance

Guidance	Minimum	Recommended	Maximum	Unit
Nozzle temperature	210	215	230	°C
Bed temperature	75	75	75	°C
Print speed	11	67	7	mm/s
Cooling	100	100	100	%

Guidance	Value	Unit
Cooling guidance	Required	
Drying temperature	60	°C
Drying time	8	hours
Enclosure	Not required	
Printer / G-code reference	PrusaCoreOneL	
Slicer profile reference	Prusament PVB	

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 for moderate requirements after checking the weakest axis.

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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