

# PolySmooth™

## Product Information



### Color

12 Colors  
(more colors coming soon)



### Recommended Printing Temp\*

1.75 mm: 210 - 230 °C  
2.85 mm: 210 - 230 °C



### Note

1. HBP = Heated Build Plate

\*. Printing temperature and speed may vary

## Basic Specifications



### Average Filament Diameter

1.75 mm or 2.85 mm  
( $< \pm 0.05$  mm,  $\sim \pm 0.02$  mm typical)



### Recommended Printing Speed\*

40 - 90 mm/s



### Recommended HBP<sup>1</sup> (if equipped) Temp

Up to 70 °C

## Instructions

- PolySmooth™ can be printed under similar conditions as regular PLA.
- Prints made with PolySmooth™ can be post-processed using the Polysher™ (purchased separately) and alcohol to dramatically increase the smoothness of the surface.
- PolySmooth™ works well with commonly available build surfaces. To improve first layer adhesion, coat the build surface with a thin layer of PVA glue (using a glue stick), or heat the HBP (if equipped) up to 70 °C.
- PolySmooth™ is sensitive to moisture. It is recommended that the filament, when not being used, always be stored in the provided resealable bag with the desiccant pack to minimize moisture absorption and to ensure the best printing performance.
- For more details or technical questions regarding the use of our products, please visit [www.polymaker.com](http://www.polymaker.com) or email us at [ts@polymaker.com](mailto:ts@polymaker.com).

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## Key Features



### Polyshable

The first 3D printable filament engineered for layer free post-processing. We have specifically developed PolySmooth™ to work alongside the Polysher™ providing the solution to dramatically improve the surface quality of 3D printed objects.



### Easy to Print

PolySmooth™ is compatible with all filament-based 3D printers and prints under similar conditions as PLA. Featuring a wide printing temperature range, low odor and no heated bed required, PolySmooth™ is the perfect companion to your desktop 3D printer.



### Balanced Mechanical Properties

PolySmooth™ features well balanced mechanical properties, outperforming ABS and PLA on most attributes, making it an ideal material for everyday 3D printing.



### Optimized for Support

We have taken our experience from PolySupport™ and engineered PolySmooth™ with the same support removal properties. Easily break away support from the surface of PolySmooth™ and once your model is polished there is no scar left on the surface.



### Warping Free

PolySmooth™ exhibits very minimal residual stress when printing which means almost no warping, making it ideal for printing large parts.