

SnapPrint PA



Advanced series

SnapPrint PA is a low warp PA co-polymer with high strength and elasticity for highly functional applications. It is FDA approved for food contact, formulated to be UV resistant and has a HDT/B rating of 125°C*. This exceptional combination of properties makes it ideal for anything from jigs and fixtures to functional parts. SnapPrint PA is available in natural and black. Filament should be stored into their original sealed package at room temperature (15-30°C) and dry environment. Following this storage recommendation, the filament will have a minimum shelf life of 12 months.

*with a minimum wall thickness of 4mm

General

Availability • North America • Latin America

Applications • Functional Parts • Jigs and Fixtures • Prototyping • Automotive

Mechanical Properties	Value	Test Method
Tensile Strength	50	ASTM D638
Elongation at Break	>200%	ASTM D638
Flexural Strength	1260	ASTM D790
Flexural Modulus	53	ASTM D790
Notched Izod Impact (J/m)	TBD	ASTM D256
HDT/B	125°C	ASTM D648

Samples printed with the following parameters: 100% infill; rectilinear; 2 shells. Conditioned under ambient conditions for 24 hours prior to testing.

Thermal Properties	Value	Test Method
Glass Transition Temperature	85°C	ASTM D3418
Melt Flow Rate (210°C)	4g/10min	ASTM 1238
Melt Temperature	196°C	ASTM D3418
Specify Gravity	1.14	ASTM D792



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Parameter	Recommended Setting
Nozzle Temperature	240–270°C
Bed Temperature	60–80°C
Bed Adhesive	Magigoo PA
Print Speed	60–80mm/s
Cooling	0–30%
Layer Height	≥0.1mm
Nozzle Diameter	≥0.2mm

To ensure constant material properties the material should always be kept dry. Drying recommendations: 80°C /140°F in a hot air dryer or vacuum oven for 4 to 16 hours.

Notice

The data presented in this document are intended for information and comparison purposes only. Product specifications are subject to change without notice. They should not be used for project specifications or its quality evaluation. The material's actual properties depend on the printing process conditions, the design structure and its purpose, test conditions, etc.

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