fillamentum forMAKERS

VERSION UPDATED IN 8/2024

3D PRINTING GUIDE
PETG

Plug in and print.
Compatible with high speed printers.

Second life
Sustainable spool

Dry before use it

BASIC OVERVIEW

HARDNESS

IMPACT RESISTANCE

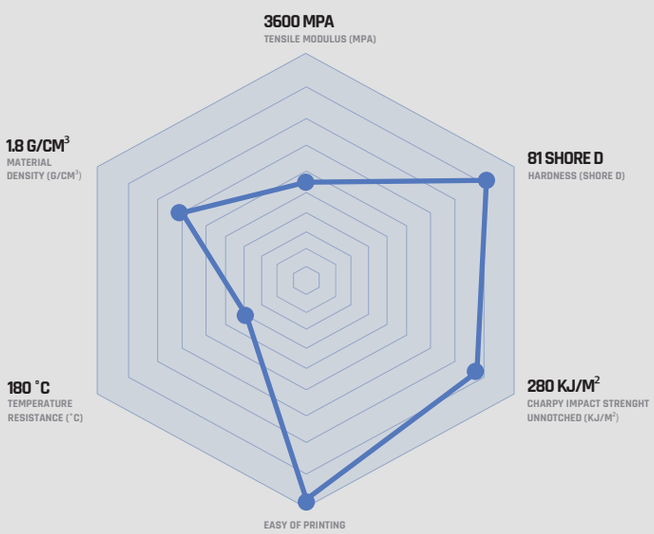
FLEXIBILITY

EASY OF PRINTING

WEATHER RESISTANCE

WEAR AND ABRASION RESISTANCE

DETAILED VIEW



BASIC NON HIGH-SPEED PRINTERS SETUP

Print Temp: 235 - 255 °C

Bed Temp: 65 - 75 °C

Printing Speed: 40 - 60 mm/s

Cooling Fan: 0 - 30 %

HIGH SPEED PRINTERS SETUP

GLOSSY AND MATTE FINISHES WITH TWO SETUPS

When aiming for consistent surface finishes, the printing temperature plays a crucial role. A common issue arises when using the same printing temperature, as the extrusion temperature can vary significantly, resulting in different surface finishes.

GLOSSY FINISH

255 - 285 °C

Printing Speed | Outer line: 50 - 250 mm/s

Bed Temp: 65 - 80 °C

Cooling Fan: 0 - 40 %

MATTE FINISH

Print Temp: 235 - 255 °C

Printing Speed | Outer line: 100 - 400 mm/s

Bed Temp: 65 - 80 °C

Cooling Fan: 0 - 40 %

DISCLAIMER:
Drying: highly recommended 65 degrees 4 hours
Storage 15 - 25 degrees with low humidity.

NOTE:
THE glossy finish can slightly (up to 5%) affect the mechanical properties of the final print. Conversely, for a matte look, adjust your setup to achieve a uniform, non-reflective finish without compromising the mechanical integrity. This guide will help you fine-tune both setups for the desired aesthetic and functional outcomes.

ARE YOU MISSING THE RIGHT ANSWER?

CHOOSE THE PLACE YOU'D LIKE TO CONNECT WITH US.

CLICK FOR FILLA FILLA CHAT BOT
24/7 INSTANT ANSWER

HELPDESK@FILLAMENTUM.COM
REACTION TIME 12 - 15 HOUR

CALL US IF YOU WANT +420 725 463 731
BETWEEN 8 AM AND 4 PM CENTRAL EUROPEAN TIME.

TIPS BEFORE YOU START

HEATED BED SURFACE:
PEI, mirror/glass

ADHESIVE:
Magigoo, 3Dlac, PVA glue

RAFT/SKIRT/BRIM:
Skirt / Brim 5 mm

HEATED CHAMBER/ ENCLOSURE:
Not needed

COOLING:
It is not recommended to use more thon 30 % of fon speed, os fost cooling could leod to improper loyer bonding. We recommend using no cooling for standard objects, which leods to stronger ports. For bridges and big overhongs, it is possible to go up to 50 % for the desired loyer.

DATASHEETS AND MORE...
24/7 AVAILABLE

WE GUARANTEE THE BEST QUALITY WITH CPK PROCESS MEASUREMENT.

At Fillamentum, we go beyond achieving a lower filament diameter. We focus on CPK (Process Capability Index) could be known as a Sigma within Industry. It is a crucial measure that ensures every spool of filament meets the highest standards. Here is Why CPK is essential for you and why it is more important than just diameter.

WE PROVIDE FILAMENT INSPECTION

RECOMMENDED

WINNER OF 2021

NOMINATED