

Plastics App™

High Performance Filaments

December 23rd, 2020

Perform ✓ ANTIBACT

Technical Data Sheet

- ✓ Perform ✓ ANTIBACT is a PETG base filament with an active ingredient, which resulting in active Anti-Viral surfaces.
- ✓ Perform ✓ ANTIBACT printed part surface had been successfully tested against Coronavirus - upon exposure the active ingredient disinfects itself within 5 minutes by up to 99.9%.
- ✓ Perform ✓ ANTIBACT should be printed with an enclosed printer and in a well-ventilated area.
- ✓ Keep out of reach of children.

Typical Properties

Property	Test Method	Unit	Typ. Value
Nominal Diameter	-	mm	1.75 / 2.85
Density	ISO 1183	gr/cm ³	1.27
Izod Impact (Notched)	ASTM D256	J/m	46

Recommended Settings

Parameter	Unit	Set Value
Nozzle Temp.	°C	245 ± 10
Plate Temp.	°C	80 ± 10
Cooling	-	On, high
Print Speed	mm/sec	40-80
Retraction	mm	>3
Drying	°C, hr	65, 8

Perform ✓ ANTIBACT adheres well when using PEI surface, Kapton Tape or glue stick on a heated glass plate.

Disclaimer:

Typical properties and recommendations should be regarded as guideline values and not specifications. It is on the user responsibility to carefully evaluate the suitability of the material and its properties to the application.