

Product description:

PETG UL94 V0 filament - poly(ethylene terephthalate) with addition of glycol and flame retardant additives – free from halogen, and red phosphorus. Product in the form of a thread, designed for 3D printing using the FFF/FDM method. Filament coiled on spools, vacuum-packed with desiccant in a PE bag, and then in a box. Specifically designed for industrial and technical applications requiring enhanced fire resistance. Certified UL94 V0, this filament ensures rapid self-extinguishing of flames, while maintaining the excellent durability and ease of printing that PETG is known for.

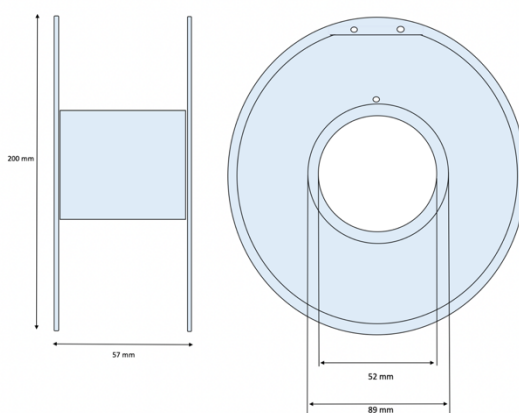
Storage:

Store in dry area, in a closed container away from moisture.

PRODUCT PARAMETERS

Parameter	Value
Filament diameter [mm]	1.75
Diameter tolerance [mm]	+/- 0,01
Oval tolerance [mm]	+/- 0,01

Spool dimensions [mm] (ø / height / hole ø)	200/57/52
Spool weight [g]	204
Spool material	Transparent SAN
Weight with packaging [g]	1 550
Net weight [g]	1 000
Box dimensions [mm]	203/207/70



RECOMMENDED PRINTING PARAMETERS

Parameter	Value
Print temperature [°C]	230-240
Bed temperature [°C]	70-80
Cooling [%]	10-30 % or OFF to improves layer adhesion
Closed chamber	Not required, but may improve print
Chamber temperature [°C]	30-60
Printing Speed [mm/s]	50-80
Nozzle type	-

PHYSICAL PARAMETERS OF THE MATERIAL

Parameter	Value	Unit	Test method
Density	1,26	g/cc	ISO 1183
Melt flow rate	-	g/10min	ISO 1133 220°C/10Kg
Vicat softening temp.	70	°C	ISO 306
Tensile modulus	2350	MPa	ISO 527 1mm/min
Tensile strength	40	MPa	ISO 527 @Yield 50mm/min (2inch/min)
Elongation at break	40	%	ISO 527 @Break 50 mm/min (2inch/min)
Impact strength	3	KJ/m2	ISO 179 Charpy Notched @23°C (73°F)

The values above have been measured using standard test specimens made of non-colored material at room temperature. The figures should be considered as indicative values only. Actual properties of PET UL94 V0 parts can be affected by the printing parameters, design of the model, ambient conditions, application of the printout etc. It is essential that users test our products to determine whether they are suitable for their intended use.