



Technical Data Sheet

PVA



PVA Filament Introduction:

Poly(vinyl alcohol) (PVOH, PVA, or PVAI) is a water-soluble synthetic polymer. It has the idealized formula $[CH_2CH(OH)]_n$. It is used in papermaking, textiles, and a variety of coatings. It is white (colourless) and odorless. It is sometimes supplied as beads or as solutions in water. PVA filament is familiar as water soluble filament, which is as support material and good match with PLA.

OPY PVA Filament Main Features:

1. Soluble to water.
2. Relative flexible: able to be bend to certain angles.
3. As support material and good match with PLA.
4. Wide range temperature from 190°C~220°C:
Suitable for assorted 3D printer, Makerbot, UP, Luzbot, Leapfrog, Reprap, Ultimaker, Mendel, Prusa, Raise3D and etc.

OPY PVA Filament Specification:

1. Material: PVA Filament
2. Color: Nature
3. Filament Diameter: 1.75mm
4. Tolerance: ± 0.05 mm
5. Print Temperature: 190~220°C
6. Infill Speed: 20-50mm/s
7. Heat-Bed Temperature: 50°C



Parameter

Performance	Parameter	Unit
printing temperature	180-230	°C
Base plate temperature	45-60	°C
Density	1.25	g/cm ³
Printing speed	40-100	mm/s
Fan speed	100	%
Tensile strength	22	Mpa
Elongation at break	360	%

