amg3D

Via delle Scuole, 13
Lugano 6900 - Switzerland

PVA HT18 filament

FDM Technology, 240426

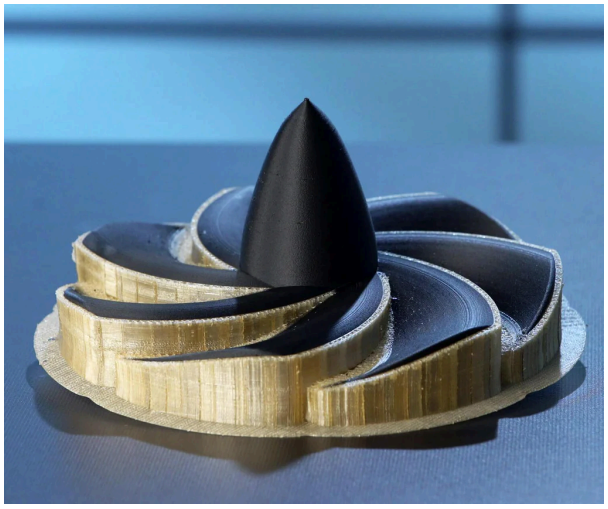
Introduction

AquaSys 18O is water dispersible thermoplastic material, ideal when printing materials that require high temperature (e.g. ABS, PC, ASA)

Weight: 500 gr
Diameter: 1,75 mm - 2,85 mm (± 0.05 mm)
Color: Transparent/Gold
Max roundness deviation: 0,05 mm

Main Features

- Very good thermal stability
- Very good adhesion
- Compatible with most of the highly resistant thermoplastics
- Easy to process



Technical Data Sheet

Recommended 3D-Print processing parameters	
Nozzle Temperature	240 – 290 °C
Build Chamber Temperature	< 180 °C
Bed Temperature	50 – 180 °C
Bed Material	PEI or Glass
Nozzle Diameter	⩾ 0.4 mm
Print Speed	10 - 30 mm/s
Solubility	Soluble in Tap Water 70-80°C with Agitation

Mechanical Properties		
Tensile strength	125 MPa	ASTM D638
Elongation at Break	1%	ASTM D638
Flexural Modulus	5100 MPa	ASTM D790
Young's Modulus	6780 MPa	ASTM D638

Thermal Properties		
Glass Transition Temperature	85 °C	ISO 306

Notes

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.