Petg CF20 filament

FDM Technology, 210706

Introduction

Petg with Carbon Fiber

Weight: 750 gr
Diameter: 1,75 mm - 2,85 mm
Color: black

Main Features

- High chemical resistance
- Strong and stiff parts
- High dimensional stability
- Easy to process
- Low moisture absorption
- Compatible with water support materials and HIPS





Technical Data Sheet

Recommended 3D-Print processing parameters		
Nozzle Temperature		260 – 280 °C / 500 – 536 °F
Build Chamber Temperature		-
Bed Temperature		50 – 70 °C / 122 – 158 °F
Bed Material		PEI or Glass
Nozzle Diameter		⩾ 0.4 mm, Ruby or Hardened
Print Speed		30 - 60 mm/s

Mechanical Properties (Dry)		
Tensile strength	76 MPa	ISO 527
Elongation at Break	7,5 %	ISO 527
Izod impact strenght (unnotched)	60 kJ/m^2	ISO 180

Thermal Properties		
HDT @ 1.8 MPa		
HDT @ 0.45 MPa		
Glass Transition Temperature	80 °C / 158 °F	ISO 11357-2
Melting Temperature	234 °C / 453 °F	

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.