

Technical data sheet – PETG 3D filament

Printing features	Parameters
Extrusion temperature	220°C
Bed temperature	80°C
Bed type	BuildTak or smooth
Bed surface treatment	On glass: glue, 3D lacquer, Dimafix
Chamber temperature	20 to 50°C
Ventilation	80%
Printing speed	50 mm/s
Printing difficulty level	Easy to print

Based on use on Zortrax M200 Plus and Z-Suite 2.8.3.0. Printing may vary between printers and printheads

Recommendations :

- Recommended bed type to use for printing is BuildTak or a smooth bed (glass/mirror).
- Printing on a smooth bed with an adhesive spray will make it easier to unstick the object without damaging the bed.

THESE VALUES ARE INDICATIVE AND MAY VARY

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Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0035	mm/mm	ASTM D 955
Density, 73 °F	1230	kg/m ³	ASTM D 792

Mechanical Properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	1793	MPa	ASTM D 638
Tensile Strength at Yield	43.4	MPa	ASTM D 638
Tensile Strength at Break	53.8	MPa	ASTM D 638
Elongation at Yield	4	%	ASTM D 638
Elongation at Break	330	%	ASTM D 638
Flexural Modulus	1793	MPa	ASTM D 790
Flexural Strength	66.2	MPa	ASTM D 790
Rockwell Hardness	R105	-	ASTM D 785
Izod Impact notched, 1/8 in	no break	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	74.7	J/m	ASTM D 256
Temperature	-40	°C	-

Thermal Properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	72.8	°C	ASTM D 648
DTUL @ 264 psi	63.9	°C	ASTM D 648

Optical Properties	Value	Unit	Test Standard
ASTM Data			
Haze	1	%	ASTM D 1003
Light Transmittance	92	%	ASTM D 1003