



Zetamix Porcelain Datasheet

PRODUCT DESCRIPTION

Zetamix Porcelain is a filament used for 3D printing. The binders mixed with porcelain powder enables to have a flexible and resistant filament usable with classical FFF printers (Fused Filament Fabrication). Printed parts need to be debinded and sintered.

Diameter available: 1,75mm and 2,85mm

Postprocess : debinding and sintering

IDENTIFICATION

Trade name	Zetamix Porcelain
Chemical name of raw material	Porcelain
Binding proportion (vol) %	45
Binding proportion (mass) %	25
Porcelain proportion (vol) %	55
Porcelain proportion (mass) %	75

PRINTING AND SINTERING RECOMMANDATIONS

Printing temperature	130°C – 160°C
Debinding	Acetone
Sintering temperature	1250°C, under air
Shrinkage	13.8% (x and y) ; 26.4% (z)
Density	98-99%

TYPICAL PROPERTIES OF THE FILAMENT

Mass fluidity index[g/10(min)]	16
Volumetric fluidity index [cm ³ /10(min)]	8
Moisture Absorption 24 hours [%]	<0,1%
Moisture Absorption , 7 days [%]	<0,3%
Shore D	51

Disclaimer : The results presented above are for information and do not constitute a legally binding Material Safety Data sheet (MSDS). Moreover, values are significantly dependent on printing and debinding parameters , operators experience and surrounding conditions. Any descriptions, data, proportions, weights etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product.