



3D PRINTING MATERIAL

UPGM-ZRO2 ZIRCONIA PELLET

01.PRODUCT INTRODUCTION

UPGM-ZRO2 is a ceramic polymer composite material, which is white and has a particle diameter of 8-14 mesh. It can be used to produce zirconia ceramic parts. Through UPRISE 3D printer, you can quickly print out preset model green parts layer by layer, and then get the final compact ceramic parts through debinding and sintering.



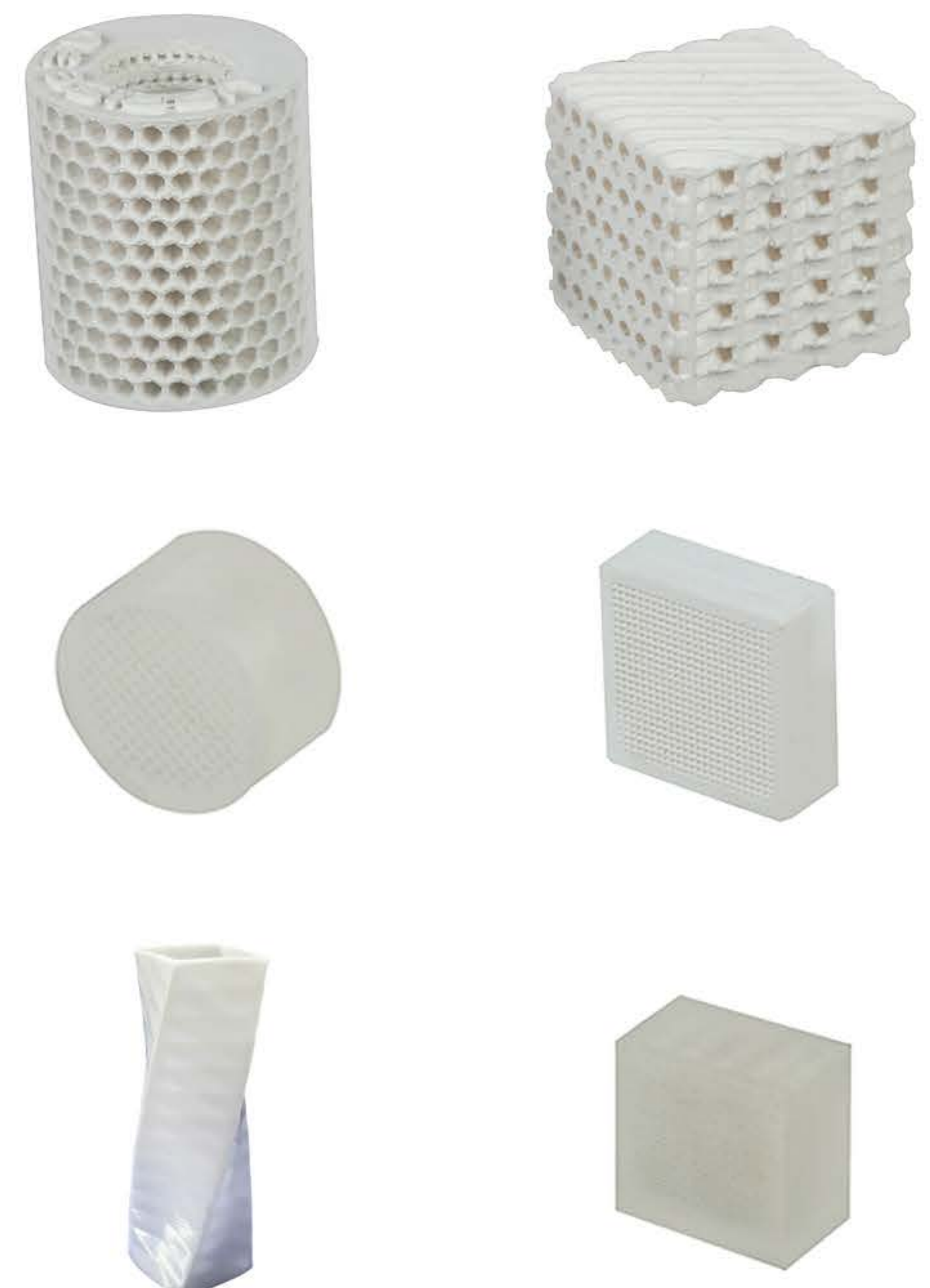
02.PERFORMANCE APPLICATIONS

Zirconia material has high strength, high hardness, corrosion resistance, low density and chemical resistance. It has been widely used in different industry areas such as aerospace, automotive, manufacturing, chemical engineering, biomedical devices, etc.

03.MECHANICAL PROPERTIES OF SINTERED PARTS

Test items	Test results
Density (g/cm ³)	>5.9
Relative density(%)	97.5%
Yield strength (MPa)	650
Tensile strength (MPa)	719
Elongation at break(%)	-
Hardness(HRA)	88

04.PRINTED SAMPLES



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