升华三维
UPRISE 3D

3D PRINTING MATERIAL
UPGM-96WNIFE TUNGSTEN ALLOY PELLET

01.PRODUCT INTRODUCTION

UPGM-96WNIFE is a metal polymer composite material, which is gray and has a particle diameter of 8-14 mesh. It can be used to produce tungsten alloy metal parts. Through UPRISE 3D printer, you can quickly print out preset model green parts layer by layer, and then get the final compact metal parts through debinding and sintering.

02.PERFORMANCE APPLICATIONS

Tungsten alloy has high density and hardness, good glossiness and texture, good ductility and thermal conductivity, excellent electrical properties, high tensile strength and strong radiation absorption capacity, which is mainly used in aerospace, military and national defense, nuclear industry, industrial manufacturing, accessories and other fields.

03.MECHANICAL PROPERTIES OF SINTERED PARTS

Test items	Test results	Test criteria
Density (g/cm^3)	>17.5	GB/T 3850-2015
Relative density(%)	>99.0%	/
Yield strength (MPa)	-	GB/T 228.1-2010
Tensile strength (MPa)	801	GB/T 228.1-2010
Elongation at break(%)	22.1	GB/T 228.1-2010
Hardness(HRB)	-	/

04.PRINTED SAMPLES

Contact us

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