



升华三维
UPRISE 3D

3D PRINTING MATERIAL

316L STAINLESS STEEL PELLET

01.PRODUCT INTRODUCTION

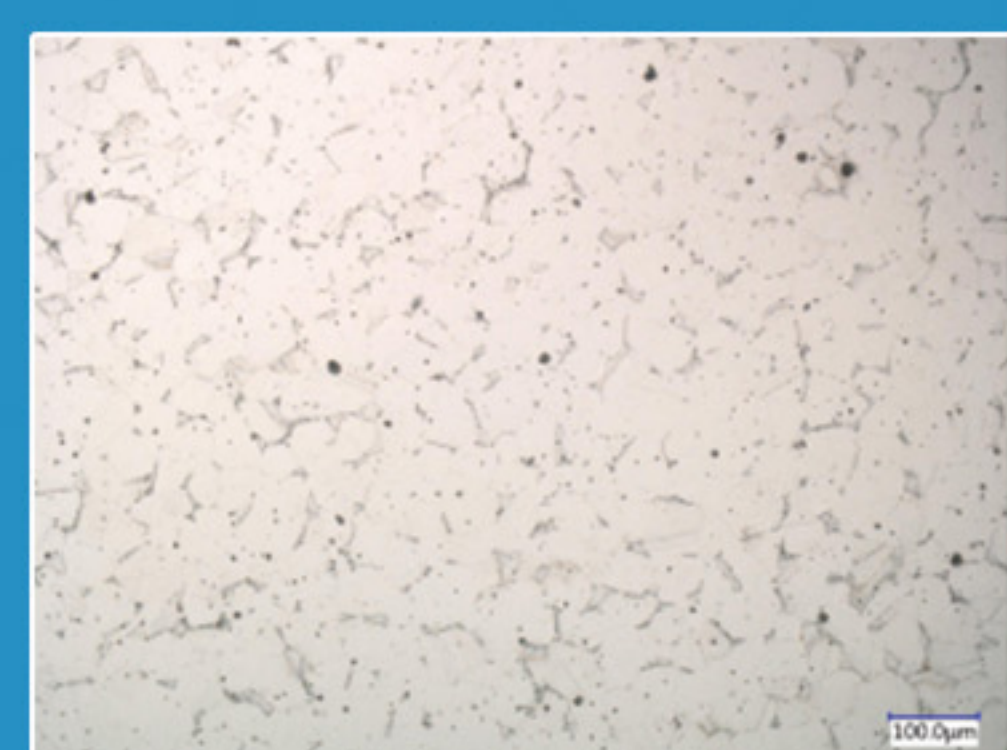
UPGM-316L is a metal polymer composite material, which is gray and has a particle diameter of 8-14 mesh. It can be used to produce 316L stainless steel metal parts. Through UPRISE 3D printer, you can quickly print out preset model green parts layer by layer, and then get the final compact metal parts through debinding and sintering.



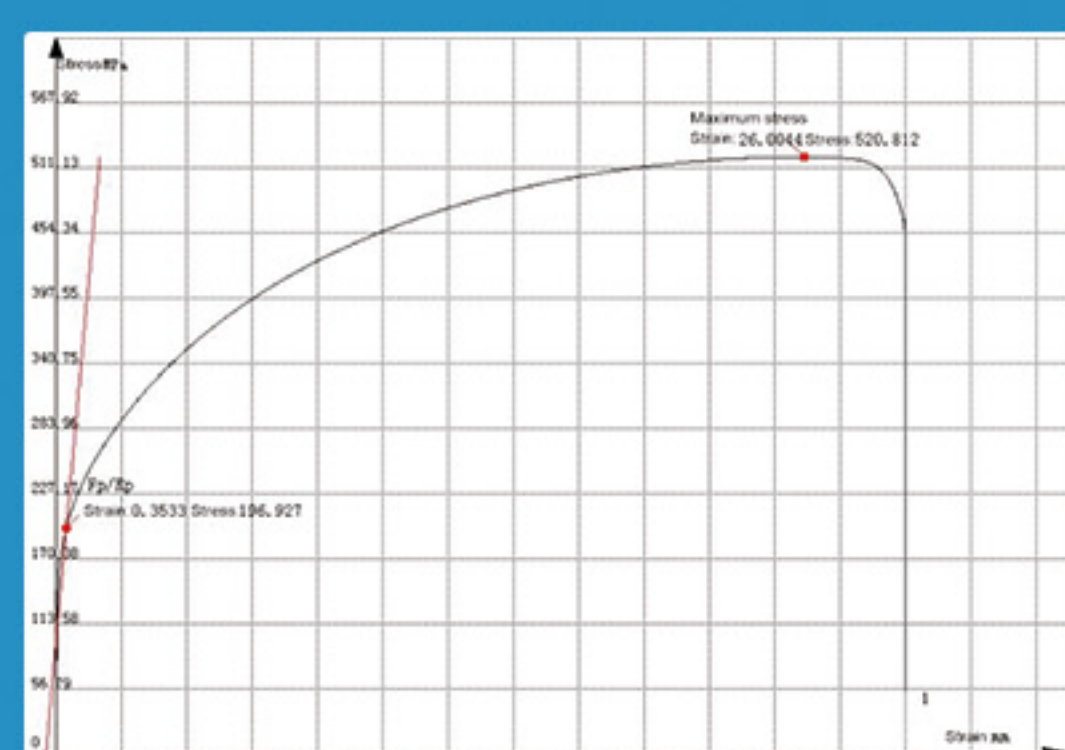
02.PERFORMANCE APPLICATIONS

316L stainless steel has high strength and corrosion resistance, moderate conductivity and thermal conductivity. It has been widely used in daily production, industrial products, aerospace, petroleum, natural gas, metal accessories, food processing and medical devices, etc.

03.MECHANICAL PROPERTIES OF SINTERED PARTS



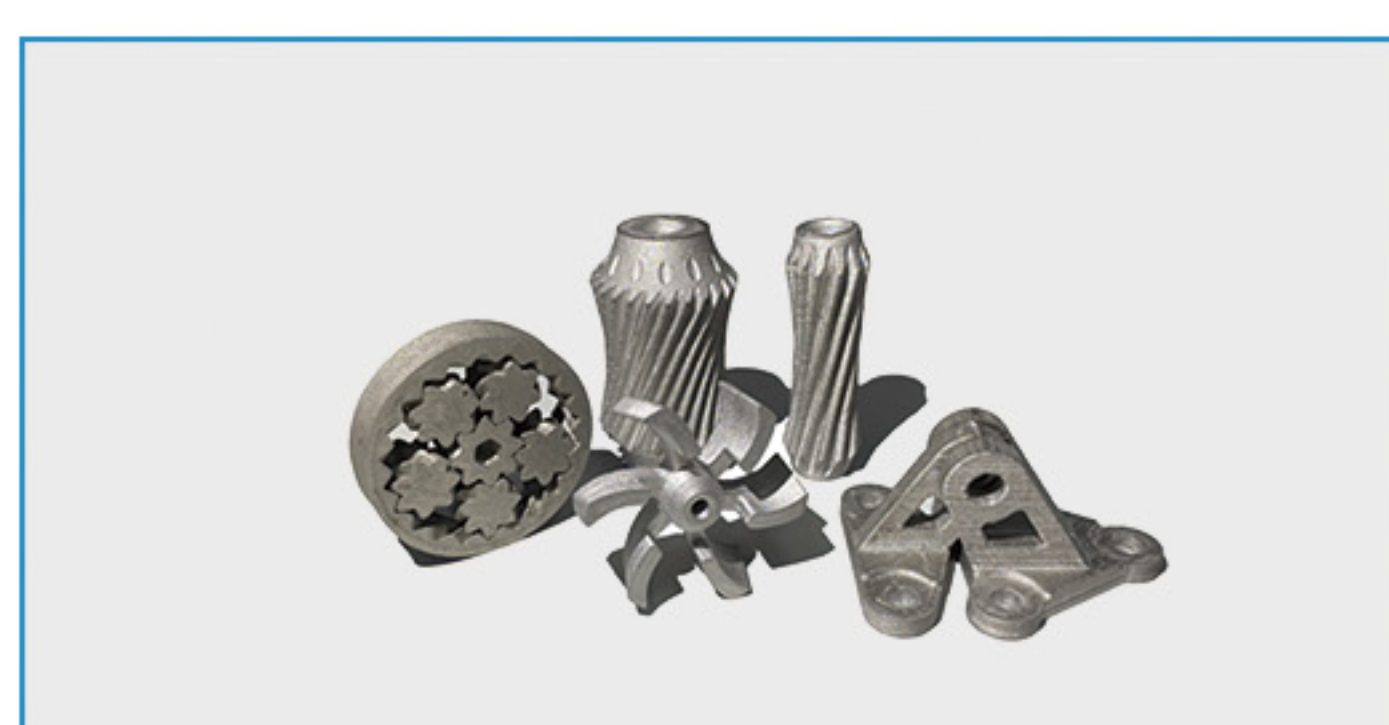
Microstructure of
as sintered 316L



Stress-strain chart
of as-sintered 316L

Test items	Test results	Test criteria
Density (g/cm ³)	>7.75	GB/T 3850-2015
Relative density(%)	>97.0%	/
Yield strength (MPa)	184	GB/T 228.1-2010
Tensile strength (MPa)	>489	GB/T 228.1-2010
Elongation at break(%)	56	GB/T 228.1-2010
Hardness(HRB)	68	/

04.PRINTED SAMPLES



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