



3D PRINTING MATERIAL

17-4PH STAINLESS STEEL PELLET

01.PRODUCT INTRODUCTION

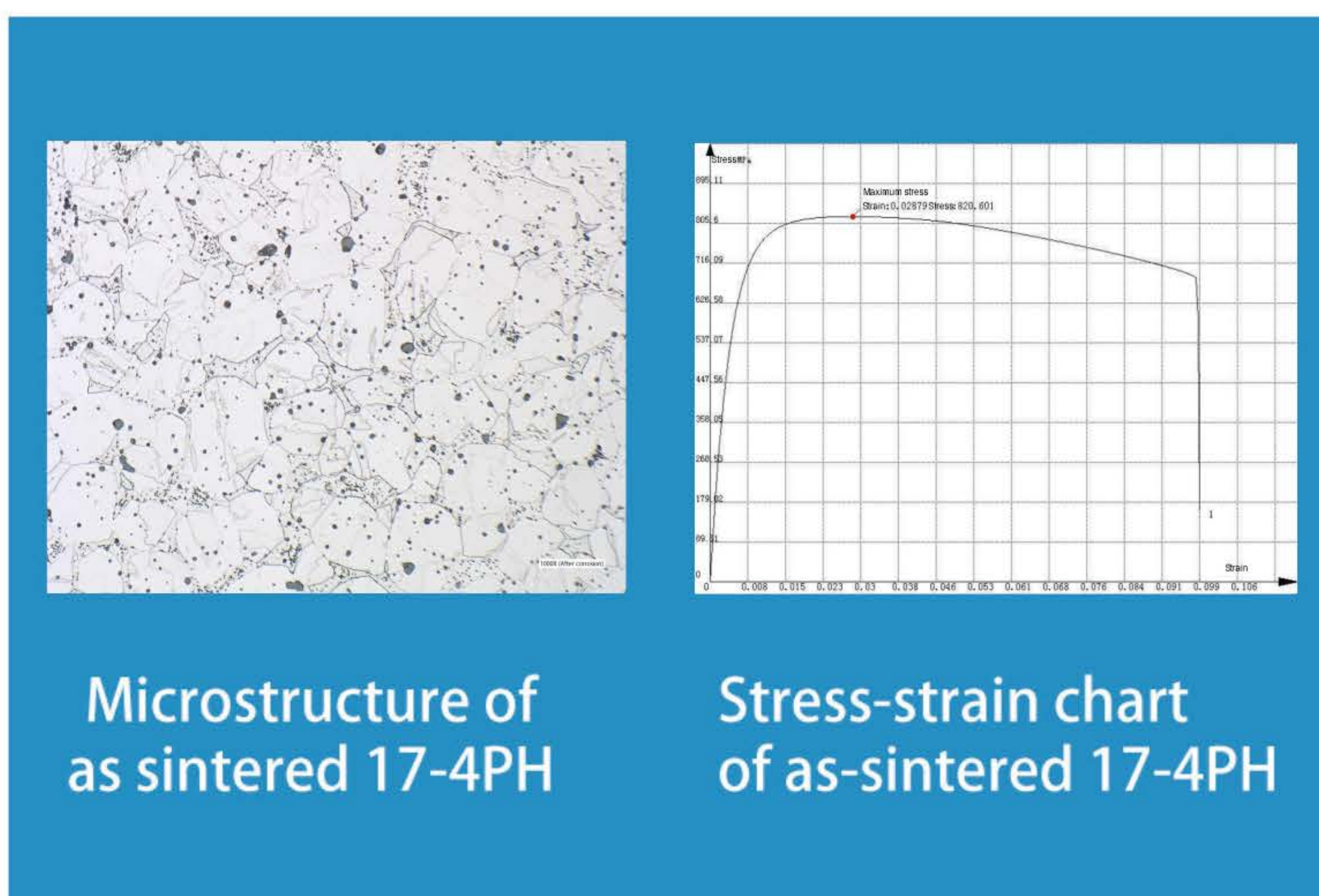
UPGM-17-4PH is a metal polymer composite material, which is gray and has a particle diameter of 8-14 mesh. It can be used to produce 17-4PH stainless steel metal parts. Through UPRISE 3D printer, you can quickly print out preset model green parts layer by layer, and then get the final compact metal parts through debinding and sintering.



02.PERFORMANCE APPLICATIONS

17-4PH stainless steel has high strength and hardness. Compared with 304 stainless steel, it has higher corrosion resistance. 17-4PH stainless steel is an ideal material for high hardness and high temperature resistant corrosion components. It is widely used in petroleum, chemical industry, aerospace and other industries.

03.MECHANICAL PROPERTIES OF SINTERED PARTS



Test items	Test results	Test criteria
Density (g/cm ³)	7.67	GB/T 3850-2015
Relative density(%)	>97.0%	/
Yield strength (MPa)	650	GB/T 228.1-2010
Tensile strength (MPa)	900	GB/T 228.1-2010
Elongation at break(%)	7	GB/T 228.1-2010
Hardness(HV1)	290.8	GB/T 4340.1-2009

04.PRINTED SAMPLES



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