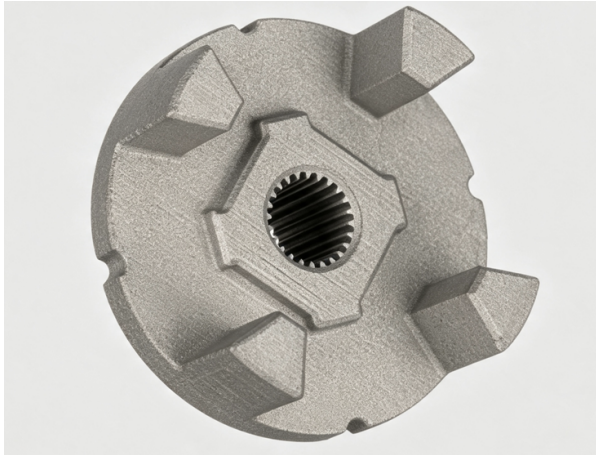


SS17-4PH

METALS FOR MBJ 3D PRINTING



MATERIAL NAME

SS17-4PH

COLOR

Gray-Black

PROCESS

MBJ

PRODUCT DESCRIPTION

17-4PH precipitation-hardened stainless steel can significantly increase its strength and hardness through heat treatment after sintering. Its printed parts are dark gray to black gray in color when sintered. It has good mechanical properties and moderate corrosion resistance, and is suitable for structural parts that require both strength and precision.

TYPICAL APPLICATIONS

- Metal terminal pieces
- Functional prototype testing
- Assembly testing
- Military/Defense Parts

PRODUCT SAFETY

Handle printed parts according to normal workshop safety practices. Review material-specific handling, finishing, and operating requirements before use.

PRODUCT DELIVERY & WAREHOUSING

- **STORAGE**
Store parts in a clean, dry environment away from moisture, direct sunlight, and heat.
- **TRANSPORTATION**
Pack parts with cushioning and moisture protection. Avoid impact, compression, and prolonged exposure to heat during transit.

PROPERTIES OF PRINTED MATERIAL

Properties	Test Method	Value
Density (g/cm3)	ISO 1183	7.8 g/cm3
Hardness	ISO 868	Rockwell 30
Tensile strength (MPa)	ISO 527	1150 MPa
Tensile modulus (MPa)	ISO 527	201000 MPa
Elongation at break	ISO 527	12%
Yield strength (MPa)	ISO 527	950 MPa

Tips: Want to explore a wider range of materials? Check out <https://www.unionfab.com/materials>