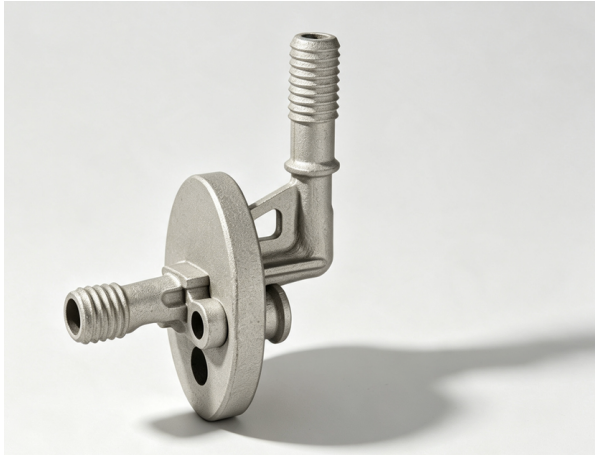


SS316L

METALS FOR MBJ 3D PRINTING

**MATERIAL NAME**

SS316L

COLOR

Gray-Black

PROCESS

MBJ

PRODUCT DESCRIPTION

In the MBJ process, 316L stainless steel usually appears silver gray to dark gray after sintering due to its excellent corrosion resistance and toughness. It is an ideal choice for preparing fluid parts with complex structures.

TYPICAL APPLICATIONS

- Metal terminal pieces
- Assembly testing
- Functional prototype testing
- Chemical/Energy Equipment 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	7.9 g/cm3
Hardness	ISO 868	Rockwell 65
Tensile strength (MPa)	ISO 527	550 MPa
Tensile modulus (MPa)	ISO 527	190000 MPa
Elongation at break	ISO 527	20%
Flexural strength (MPa)	ISO 178	190000 MPa
Yield strength (MPa)	ISO 527	220 MPa

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