

DIRECT METAL LASER SINTERING

STAINLESS STEEL 316L

PRODUCT SPECIFICATIONS

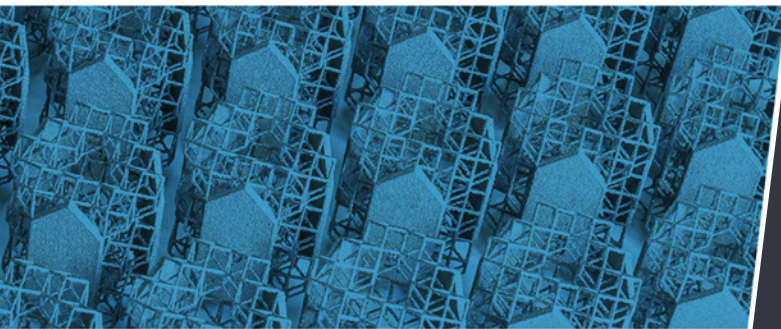


PRODUCT DESCRIPTION:

Protolabs Stainless Steel 316L material is used in our Direct Metal Laser Sintering process. It is available in FineLine's micro-resolution.

APPLICATIONS:

Used in our micro-resolution DMLS process, FineLine's Stainless Steel 316L allows for production quality metal parts with the finest features and tightest tolerances in the industry. The material is used for manufacturing acid and corrosion resistant prototypes, and unique or series production parts in the following fields: Medical technology, plant engineering, automotive industry, jewelry and components for molds. It cannot be heat treated and is available only in the annealed condition.



KEY PRODUCT BENEFITS

- Heat treated for full hardness and strength
- High hardness
- Corrosion resistant

PROPERTIES:

Standard	Ultimate Tensile Strength (ksi)	0.2% Yield (ksi)	Elongation (%)	Hardness (HRC)
ASTM F3184-16	70	25	30	76.5 HRB to 25.5 HRC