

## DIRECT METAL LASER SINTERING

# STAINLESS STEEL 316L

## PRODUCT SPECIFICATIONS

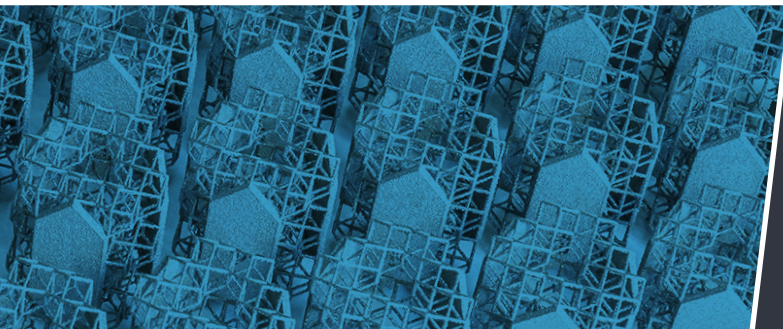


### PRODUCT DESCRIPTION:

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)
AMS5653H	70	25	30	76.5 HRB to 25.5 HRC