

316L

Austenitic high chromium steel offering good mechanical properties and excellent corrosion resistance

Key Features:

- > Excellent corrosion and chemical resistance
- > Good strength and toughness under high-temperature environment
- > Good ductility
- > Optimal processability for laser sintering technology

Example Applications:

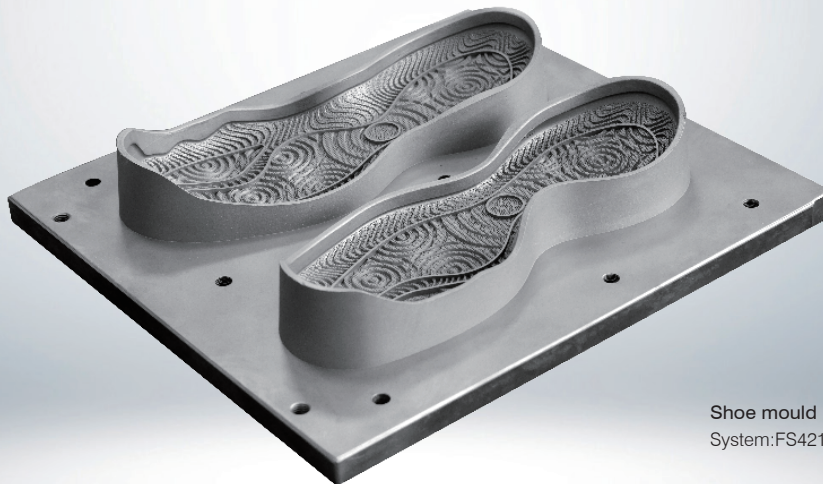
- > High-performance parts in aerospace, automotive, energy and marine engineering
- > Surgical instruments
- > Versatile use for many industrial and civic applications

[Technical Data]

General Properties	Part Density <small>ISO3369</small>	≥7.91 g/cm ³
Mechanical Properties ¹ (Heat treated)	Tensile Strength <small>ISO6892-1</small>	≥620 MPa
	Yield Strength <small>ISO6892-1</small>	≥410 MPa
	Elongation after Fracture <small>ISO6892-1</small>	≥42 %
	Vickers hardness <small>ISO6507-1 / ISO6508-1</small>	≥178 HV5/15

¹ For more information on heat treatment process, please contact us directly. Farsoon systems are open material platform. For special materials such as tungsten, tantalum and pure copper, please contact us with your inquiries or requirements.

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Shoe mould
System:FS421M-2

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