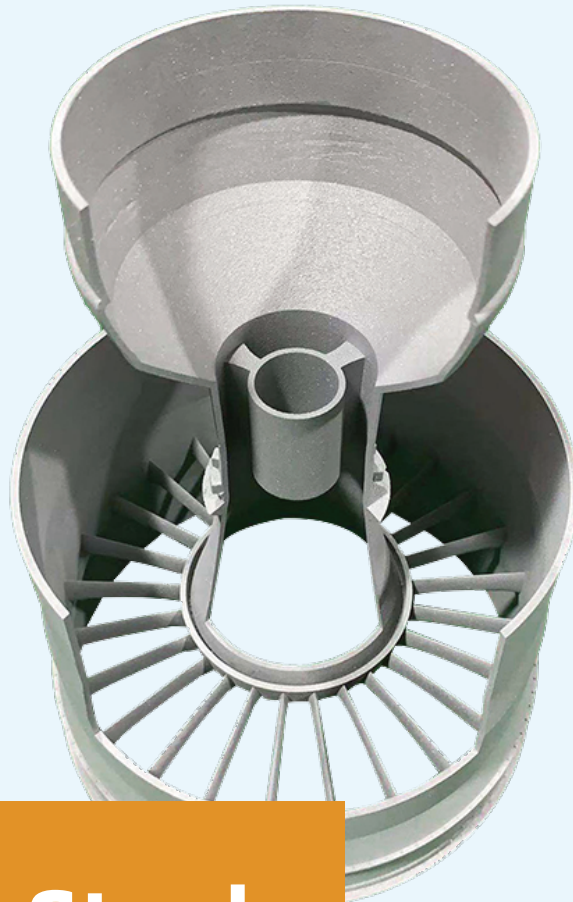
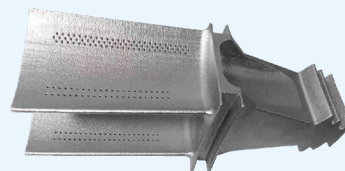
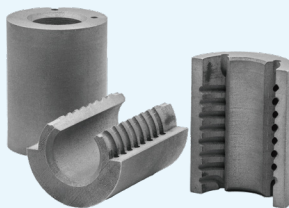




Stainless Steel

Technical Data



◆ Material Overview

Stainless steel is a good metal material for functional parts and spare parts. The parts printed are easy to maintain as it attracts little dirt and the presence of chrome gives it the added benefit of never rusting.

◆ Advantage

- > High strength and high temperature oxidation resistance
- > Excellent corrosion resistance
- > Good welding performance

◆ Ideal Applications

- > Automotive
- > Aerospace
- > Mold
- > Medical

◆ Post Process

- > Polish
- > Sandblast
- > Electroplate

◆ Technical Datasheet

General physical properties (polymer material) / part density (g/cm³, metal material)

Part density

7.90 g/cm³

Thermal properties (polymer materials) / printed state properties (XY direction, metal materials)

Tensile strength

≥650 MPa

Yield strength

≥550 MPa

Elongation after break

≥35%

Vickers hardness (HV5/15)

≥205

Mechanical properties (polymer materials) / heat-treated properties (XY direction, metal materials)

Tensile strength

≥600 MPa

Yield strength

≥400 MPa

Elongation after break

≥40%

Vickers hardness (HV5/15)

≥180

Shenzhen JSADD 3D Technology Co., Ltd.

📍 Building B, No. 148 Huanli Road, Yungu Community, Xinhui Street, Guangming District, Shenzhen, China.

🌐 www.jsadditive.com

✉ info@jsadditive.com

📘 @ Vacuum Casting

🌐 @ JSADD 3D

🎵 @ JSADD.3D

📷 @ jsadditive