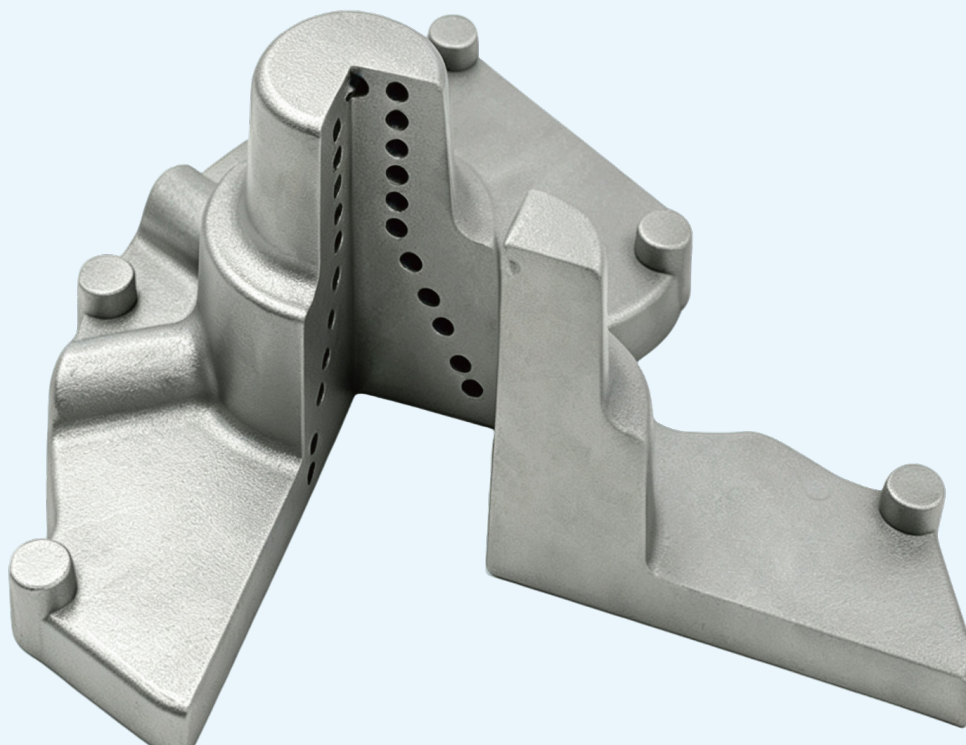
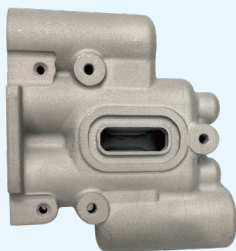




Mould Steel

Technical Data



Material Overview

Mould Steel has the advantages in reducing molding cycle, improving product quality, and more uniform mold temperature field. It can print the front and rear mold cores, inserts, sliders, guide posts and hot runner water jackets of injection molds.

Advantage

- > Ideal Applications
- > Good mechanical properties
- > Excellent abrasion resistance
- > Small heat treatment deformation rate
- > High toughness and good impact resistance

Ideal Applications

- > Weldable Steel
- > Resistance to high temperature
- > High hardness after heat treatment

Technical Datasheet

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

Part density

8.00 g/cm³

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

Tensile strength

≥1150 MPa

Yield strength

≥950 MPa

Elongation after break

≥10%

Rockwell hardness (HRC)

≥34

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

Tensile strength

≥1900 MPa

Yield strength

≥1600 MPa

Elongation after break

≥3 %

Rockwell hardness (HRC)

≥48

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