DIRECT METAL LASER SINTERING

Cobalt Chrome (Co28Cr6Mo)

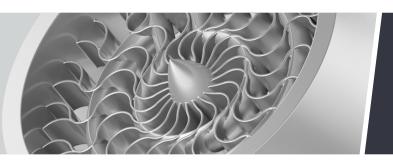
Product Specifications

Product Description

Cobalt-Chrome (Co28Cr6Mo) material is used in our DMLS process. It is a superalloy comprised primarily of cobalt and chromium, and is known for its high strength-to-weight ratio, excellent creep and corrosion resistance.

Applications

Cobalt-Chrome is a superalloy that is used for specialty applications within the aerospace and medical industries.



Key Product Benefits

- ▶ High performance tensile and creep
- ► Creep and corrosion resistance

Properties

| Resolution | Condition | Ultimate Tensile Strength (ksi) | Yield Stress (ksi) | Elongation (%) | Hardness |
|------------|-----------|---------------------------------|--------------------|----------------|----------|
| 20 μm | As Built | 182 | 112 | 17 | 39 HRC |
| 30 μm | As Built | 176 | 119 | 14 | 38 HRC |

