



Direct Metal Laser Sintering Cobalt-Chrome

PRODUCT SPECIFICATIONS

DESCRIPTION: FineLine's Cobalt-Chrome 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. It is available only in high resolution.

APPLICATIONS: Cobalt-Chrome is an excellent choice for use in aerospace engine applications. Its low nickel content gives this metal excellent biocompatibility, making it a strong candidate for use in dental and orthopedic applications as well.

PROPERTIES

Standard	Ultimate Tensile Strength (ksi)	0.2% Yield (ksi)	Elongation (%)	Hardness (HRC)
ASTM F1537-11	130	75	20	25

KEY BENEFITS

- High Strength
- Creep and Corrosion Resistant
- Excellent Biocompatibility



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