



OptiPowder CoCr F75:

High-Strength, Biocompatible Alloy for Demanding Applications

OptiPowder CoCr F75 is a cobalt-chromium-molybdenum alloy powder engineered for **exceptional strength, wear resistance, corrosion resistance, biocompatibility, and thermal stability.**

This versatile alloy is widely used across **aerospace, industrial, and medical** sectors. Applications include gas turbine engine components such as nozzles and vanes, industrial wear parts, and implants such as dental prosthetics and joint replacements.

Continuum produces OptiPowder CoCr F75 using our **proprietary M2P Gas Atomization System**. By transforming reclaimed aerospace-grade feedstock into highly spherical powder, Continuum reduces environmental impact, lowers reliance on virgin materials, and delivers consistent, application-ready powder optimized for multiple AM platforms.

Typical Physical Properties¹

Property	OptiPowder CoCr F75
Apparent Density	>4 g/cc
Hall Flow Time	<20 s/50 g
Morphology	Spherical
Oxygen Content	<0.05

Nominal Composition (wt%)²

Co	Bal
Cr	27–30
Mo	5–7
Ni	<0.5
Fe	<0.75
C	<0.35
Mn	<1.0
Si	<1.0
N	<0.25

1. Properties represented for 15–45µm cut

2. (Values per ASTM F75 specification; ranges available per customer need)

Why Choose OptiPowder CoCr F75

- Versatile Processing – Optimized for LPBF, MBJ, DED, MIM, and EBM
- High Strength & Wear Resistance – Delivers durability in extreme environments
- Superior Corrosion Resistance – Performs in harsh, high-temperature conditions
- Biocompatibility – Trusted for implants and surgical tools
- Thermal Stability – Maintains mechanical integrity across wide operating temperatures
- Eco-Conscious Production – Produced using 100% reclaimed feedstock and renewable-powered atomization

Available PSDs & Customization

Continuum Powders offers OptiPowder CoCr F75 in a variety of particle size distributions (e.g., 10–45 μm , 15–53 μm , 45–106 μm), tailored to your specific AM process and OEM platform.

Contact us to discuss your application and receive a tailored quote.

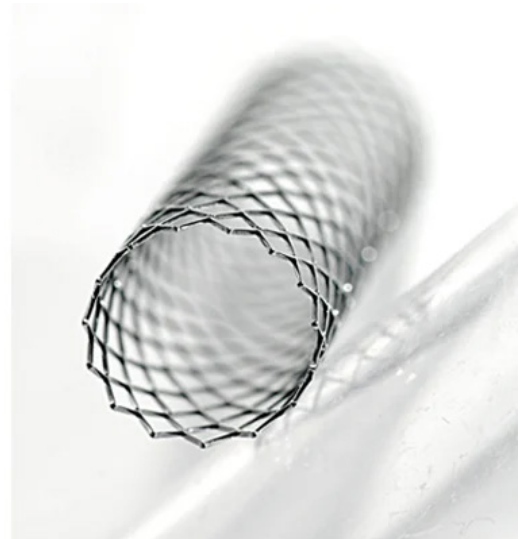


Image Credit: 3D Natives



Contact us to receive a quote and learn more about how OptiPowder CoCr F75 can improve your advanced manufacturing projects.

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