

CoCrW Alloy Powder

It is a CoCrW alloy powder independently developed and produced by Riton, suitable for dental selective laser melting. This product is free from harmful elements such as nickel, cadmium, beryllium, and lead. Its excellent performance ensures that restorations are stable, reliable, and aesthetically pleasing, making it an ideal choice for modern dental restoration.

Applications:

PFM Copings & Bridges;
Full-Contour Crowns, Bridges, Inlays, Post/Core;
RPD Frameworks & Clasps;
Complete Denture Bases.



Sample Display:



Finished Product's Features:

- Quick and Simple Heat Treatment Processes
- Suitable for Various Dental Products Printing
- Excellent Polishing Performance
- Great Performance
- Good Biocompatibility

Main Chemical Composition:

Main Elements (wt%)					
Co	Cr	W	Si	Fe	Mn
61.50±1.50	27.75±1.50	9.00±1.00	1.00±0.80	≤0.50	≤0.25

Basic Parameters:

Apparent Density	Tap Density	Flowability	Oxygen Content
≥4.0g/cm ³	≥4.5g/cm ³	≤40s/50g	<0.1wt%

Particle Size Distribution:

D10	D90
≥12μm	≤65μm