Cobalt Chrome CoCrMo

CoCrMo

Wear- and corrosion-resistant cobalt alloy powder for dental, medical-development, and industrial wear parts.

Designations: CoCrMo · Cobalt chromium molybdenum

Supply

Item	Value
Particle-size cuts	15–45 µm · 15–53 µm · 45–106 µm
Processes	LPBF · EBM · MIM
Minimum pack	1 kg (paid samples)
Packaging	Aluminium-foil bag · 1 kg sealed pack · Drum
Documents	Lot-specific COA · Particle-size report · Safety data sheet · Chemistry report
List price	US$51–212/kg, EXW China

Our list price for LPBF cuts (15–45 µm or 15–53 µm), per kg, EXW China, from 1 kg. It is set at 80–90% of the public list prices of mainstream suppliers checked in October 2026. Other particle-size cuts are priced by agreement; packing and freight are quoted separately. Your written quotation from our official corporate email confirms the price, lead time and terms for your quantity, particle size and documents.

Chemical composition, wt.%

Element	Limit
Co	Balance
Cr	27.0–30.0
Mo	5.0–7.0
C	≤0.35
Si	≤1.0
Mn	≤0.3
Fe	<0.75
O	<0.08
N	<0.15

Typical partner-plant datasheet limits, wt.%. The quoted lot COA governs.

Powder properties · LPBF / EBM screening window

Property	Value	Note
D10	≥12 µm	
D50	25–40 µm	
D90	≤65 µm	
Sphericity	≥0.85	Method to be confirmed
Apparent density	≥4.4 g/cm³	
Tap density	≥5.0 g/cm³	
Flow	≤25 s/50 g	Method and conditioning to be confirmed

A CoCrMo screening basis; the exact chemistry version and medical or dental release scope must be confirmed.

Typical mechanical properties

Condition	Temperature	Tensile	Yield	Elongation	Note
Heat treated	Room temperature	≥1000 MPa	≥600 MPa	≥20%	E ≥200 GPa, ≥300 HV10

Partner-plant datasheet values for LPBF test bars at room temperature unless stated. Printed-part properties depend on machine, parameters, orientation, and post-processing.

Typical values, not a lot certificate. The certificate of analysis for the quoted lot governs. Formal quotations and commercial terms are valid only when issued from our official corporate email.

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