Co Cobalt Metal Powder - Extrafine

JAYESH GROUP
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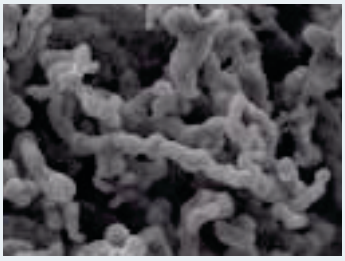
Technical Data Sheet

Chemical Analysis:

Elements	Unit	EF Grade	Testing Method
Co	%	99.80 Min (Excluding Oxygen)	AAS
O	%	0.50	AAS
C	%	0.03	Leco
Ni	ppm	30	AAS
Cu	ppm	20	AAS
Fe	ppm	50	AAS
Ca	ppm	50	AAS
Mg	ppm	40	AAS
Pb	ppm	50	AAS
Zn	ppm	20	AAS
Cd	ppm	20	AAS
Mn	ppm	20	AAS
Na	ppm	50	AAS
Al	ppm	30	Leco
Li	ppm	10	AAS
Cr	ppm	50	AAS
Si	ppm	50	AAS
S	ppm	50	Leco
Grain Size	µ	1.1 to1.50	FSSS
D50	µ	10	Laser Particle Analyser
AD	g/cm3	0.90 to 1.3	CARNEYS

Morphology:



Extrafine Grade

Superfine Spheroidal and rod shape Cobalt powder with narrow particle distribution can be used for Hardmetal Industries & Diamond Tool applications.

Temperature Vs Hardness Table for Extrafine Grade Cobalt Powder:

Temperature Centigrade	Hardness HRB
650	97
750	99 to 100
800	101 to 102
850	103 to 106
900	107
950	106

Main Applications:

1. Cemented Carbide Cutting Tools (Hard Metal Industries)
2. Diamond Tool Industries
3. Metal Injection Moulding
4. Powder Metallurgy
5. Electronic Industries

Characteristics:

- Consistent Quality
- Stable hardness in wide range of hot pressing Temperature
- No reactivity towards Diamond while sintering
- Availability in convenient vacuum packing

Hot Pressing Characteristics for Diamond Tool applications :

Pressure : 350 kg/Cm .sq.
Time : 5 Mins.
Atmosphere : Air

Packing:

25 to 50 kgs : Metal Drums with inner Silver foil Vacuum packed bags

1 kg to 5 kgs : Silver foil packing with inner LDPE bag vacuum packed.

MSDS:

Material Safety Data Sheet & COA will be provided with each supply.