INDO-MIM PVT LTD.
#45(P), KIADB Industrial Area, Doddaballapur, Bengaluru - 561203
Phone: +91-080-22048600/636 | FAX: +91-080-27630532
Email: infopowders@indo-mim.com or infohq@indo-mim.com | Website: www.indo-mim.com

INDO-FUSION Co400

Vacuum Induction Melting - Inert Gas Atomization process is used to manufacture Co400 powder at various fractions. Our unique controls in process will control particle size and morphology to get good powder flowability for achieving dense coatings consistently. Co400 is a material having outstanding resistance to high temperature wear, galling and corrosion and are particularly suitable for use where lubrication is problem and its chemical composition corresponds to UNS R30400.

Particle Size Distribution

Light scattering (ASTM B822 / ISO 13320-1)				
Application	**Size Range**	**D10%**	**D50%**	**D90%**
TS	15 - 45µm	24.0 max	36.0 max	48.0 max
	15 – 53µm	24.0 max	36.0 max	54.0 max

Chemical Composition (weight %)

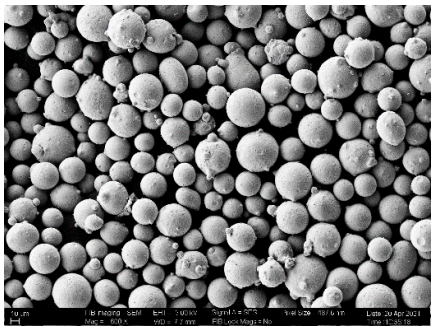
Element	Range (%)
Carbon	0.05 Max
Silicon	2.30-2.80
Manganese	0.30 Max
Phosphorous	0.035 Max
Sulphur	0.035 Max
Chromium	7.00-8.50
Molybdenum	27.00-30.00
Nickel	1.00 Max
Iron	0.50 Max
Others	1.00 Max
Cobalt	Balance

Physical Properties

Property	Specification	Test Method
Tap Density	Min 5.50 g/cc	ASTM B527
Apparent Density	Min 5.00 g/cc	ASTM B212
Hall Flow Number	Max 22 sec/50g	ASTM B213

Morphology

*Applicable only for Thermal Spray



Customization on chemical composition & particle size can be made.

Packing with 10 / 50 / 100 kg containers & custom packing is possible.

TS: Thermal Spray

**Specification is only for illustrative purposes, and it varies with specific application requirements*