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INDO-FUSION SS-430L

Vacuum Induction Melting - Inert Gas Atomization process is used to manufacture SS 430L 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. 430L is a low carbon, non-hardenable, ferritic stainless steel having good corrosion resistance to atmospheric exposure, good strength and excellent oxidation resistance at elevated temperatures and its chemical composition corresponds to UNS S43000.

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 %)

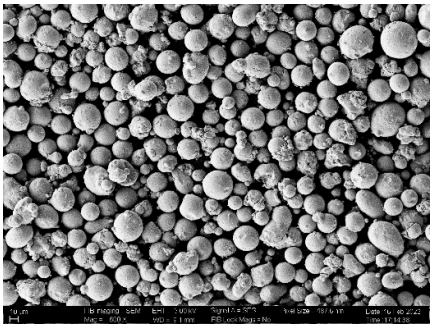
Element	Range (%)
Carbon	0.03 max
Silicon	1.00 max
Manganese	1.00 max
Phosphorous	0.040 max
Sulphur	0.030 max
Chromium	16.0 – 18.0
Nickel	0.75 max
Others	0.30 max
Iron	Balance

Physical Properties

Property	Specification	Test Method
Tap Density	Min 4.60 g/cc	ASTM B527
Apparent Density	Min 4.00 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*