

PRODUCTION SPECIFICATION

NAME: Copper Powder

DESCRIPTION:

Copper is a very common metal friction material filler, its good heat transfer coefficient contributes to transfer the heat generated from frictional touch face to in-part of the friction products, thus to control of the temperature of the brake components. The chemical composition and micro-structure of the fiber make copper an ideal material for use in friction materials of high performance and high duty levels. Copper also has a relatively low Mohs scale of hardness, which contributes to anti-friction in high temperature. In Europe, brass will be widely used in brake pads, especially in high-class brake pads friction materials, 5%-8% will be much more proper.

GRANULARITY(SIEVE ANALYSIS, PARTICLE SIZE)

Sieve size: 0.18-0.38mm
 Mesh: 40-800
 Detection value(%): 98%

Sieve(mm)	Specified (%)	Typical (%)
> 0.880	< 1	0.85
> 0.425	7-20	18.0
> 0.250	30-50	47.0
> 0.120	20-40	33.0

APPEARANCE

Shape: Powder, fiber like
 Color: Brown, Purplish red



PHYSICAL PROPERTIES

Specific gravity(g/cc) 8.94
 Melting point (°C) 1083°C

CHEMICAL COMPOSITION

Composition	Cu	Fe	Pb	As	Sn	O	S
Rate (%wt)	99	0.01	0.04	0.004	0.005	0.15	0.004

PACKAGE

25KG/bag, double sheet paper bags, white color

APPLICATION

Copper is widely used for manufacturing Automotive, Commercial Vehicle, Motorcycles, Trailers brake pads and Brake Linings, and Braking Elements Industrial Equipment.