

Product Specification

Molecular Formula: FenPm

Color: Metallic Grey

Specific Gravity: 1:5.0

Oil Absorption: 18 - 22g/100g

PH value: 8 10

Specification

Phosphorus (P)	Silica (Si)	Calcium (Ca)	Manganese (Mn)	Carbon (C)	Iron (Fe)
>23%	<5.0%	<5.0%	<1.0%	<1.0%	>65%

Product Types

SFPP-1500M, 2000M

Property

Ferro-phosphorus powder is non-toxic, odorless and tasteless with the advantages of good electric conductivity and thermal conductivity, corrosion resistance, wear resistance, strong adhesion ability. Low coat and high efficiency, is a perfect substitution of zinc dust. Thermal stability: 500°C - 1500°C, . Ferro-phosphorus powder as additives in powder metallurgy, it can capable of lowering sintering temperature, promoting press-forming efficiency, increasing the wet strength of non-sintering dust and may improve gaining magnetic properties.

Application

1. Coating – as a partial substitute of zinc powder (35% calculated as weight)
2. Additive in powder metallurgy – capable of lowering sintering temperature and promoting press-forming efficiency and increase the wet strength of non-sintering dust.
3. Conducting coating – enable the coating with electric-conducting and thermal-conducting performances.
4. Shielding layer – against electromagnetic interferences as a partial replacement of nickel pigment or copper pigment shielding layer (25% calculated as weight)
5. Electric welding – applied in the manufacture of automotive and other machines
6. Weld coating – it enables single layer or multi-layer coating with the weld ability, applicable to the layer paint of coating, adhesion and sealant.