



## 1. PRODUCT DESCRIPTION

**KZnP** is an air atomized zinc powder developed for applications requiring controlled reactivity, low melting behavior, and uniform particle size distribution.

The grade is suitable for chemical, metallurgical, and industrial applications.

## 2. KEY CHARACTERISTICS

Property	Typical Value
Purity (Zn)	≥ 99 %
Apparent Density	2.5 – 3.5 g/cc
Flow Rate (Hall)	20 – 30 sec/50g
Melting Point	~420°C

## 4. PHYSICAL PROPERTIES

Property	Description
Particle Shape	Irregular to semi-rounded
Production Route	Air atomized
Flow Behavior	Good
Reactivity	Moderate

## 6. TYPICAL APPLICATIONS

- Chemical processes
- Metallurgical applications
- Coatings and surface treatments
- Industrial powder systems

## 8. PROCESSING GUIDELINES

- Suitable for controlled blending and feeding
- Handle under dry conditions
- Compatible with industrial processing systems

## 3. CHEMICAL COMPOSITION (%)

Element	Typical (%)
Zn (Zinc)	≥ 99
Others	Controlled within standard manufacturing limits

## 5. PARTICLE SIZE DISTRIBUTION (PSD)

Fraction	Typical Distribution (%)
+100 mesh	0 – 5
-100 +200 mesh	20 – 40
-200 +325 mesh	30 – 50
-325 mesh	10 – 25

*\* PSD is controlled to ensure stable flow, controlled reactivity, and consistent performance.*

## 7. ADVANTAGES

- Controlled reactivity
- Good flow characteristics
- Uniform particle distribution
- Suitable for industrial applications

## 9. PACKAGING & SUPPLY

- **Standard packing:** 25 kg bags
- Custom packaging available

## 10. DISCLAIMER

Values are typical and may vary depending on processing conditions. This information is intended as a general guide and does not constitute a strict specification guarantee. Users are advised to evaluate the material for their specific intended use.