

TECHNICAL DATA SHEET

Aluminum Tripolyphosphate

Aluminum tripolyphosphate series anti-rust pigments are products that our company devotes to research, development, production and promotion; By changing the chemical structure and scientifically compounding the process, we can obtain environment-friendly anti rust pigment with better electrochemical impedance than conventional zinc phosphate, which is mainly characterized by higher phosphorus content and outstanding performance; It can be used in conventional oily and water-based coatings and special oily and water-based coatings, as well as in special fields such as powder coatings and curing agents.

Performance characteristics:

1. Good rust resistance, suitable for high-end products;
2. Low refractive index, high transparency, easy color mixing in the paint, can be combined with other colored pigments to prepare various color primers;
3. The dissociated phosphate ion can phosphatize and passivate the steel metal surface, forming a passivation film to protect the metal substrate;
4. It is suitable for preparing antirust primer and integrated primer in solvent paint;
5. It can be used alone or with other antirust pigments and fillers to provide efficient anti-corrosion performance.

Specification

Item	Solvent base-13	Water base-30
P2O5 %	≥55.0	≥40.0
Al2O3 %	≥12.0	≥8.0
ZnO %	≥6.0	≥15.0
pH value	4.0~7.0	5.0~7.0
105°C Volatile content %	≤3.0	≤3.0
Sieve residue (45um) %	≤0.3	≤0.3
Oil absorption (g/100g sample)	40±10	40±10
Density (g/cm3)	2.0~3.0	2.5~3.0
Whiteness (%)	≥90.0	≥90.0
Water Soluble (%)	≤1.5	≤1.5

JIANGSU KHONOR CHEMICALS CO.,LIMITED

Application: It is widely used in anti rust paint of steel frame structure, coiled materials, industrial machinery, light metals, household appliances, food containers, etc. In addition, it can also be used as a flame retardant in the production of chlorinated rubber and synthetic polymer materials.

Recommended dosage: 5.0%~15.0%

Usage: directly blend with base material, auxiliary material, auxiliary agent and solvent and disperse.