



Calcined Kaolin



AMI provide Series of Calcined Kaolin products.

1. T-1-1 Calcined Kaolin for Master Batch (6250mesh, whiteness 94%)

T-1-1 Calcined Kaolin is one of the white paint with porous unformed structure and excellent light scattering property. With characteristics of high whiteness, small granularity, high bulkiness, low wear loss and high refraction coefficient, it can partially substitute titanium dioxide or other white color, so as to lower down the cost, increase the elastoplasticity and the anti-light ageing ability. It can be used in high grade printing ink and paint industries.

2. T-2-1 Calcined Kaolin for Paint (1250 mesh)

This model is the sodium silicate functional additive special for paint industries, with silicon-oxygen tetrahedron and aluminium-oxygen octahedron structure. With strong adsorptivity and stainability, it can markedly increase the weatherability and wearability of the paint, and keep the color vivid for long time. With high whiteness, narrow particle size distribution range, good optical property, high hiding power and good weatherability, it act as one of the new paint and widely used in paint, emulsion paint, adhesive, electrophoresis paint, indoor-outdoor coating and fire-refractory coating.

3. T-3-2 Calcined Kaolin for Rubber (1250 mesh)

This model is made by special technique, which create the small opening on the granule surface and make this model have infinite adsorbability and activity. With small particle size, high whiteness, stable properties, this model can partially substitute charcoal black and carbon white and act as the good filler and semi reinforcing agent for high voltage insulation rubber, plastic, wire and cable, tyre and inner tube, glue plug, and other rubber products, increasing the mechanical strength, ageing resistance, wear resistance, airtightness, electric insulativity and corrosion resistance.

4. T-3-1 Insulated Calcined Kaolin

This model is made from selected ore, which are sintered, grinded, classified and surface treatment. It can increase the mechanical strength and electric insulativity, is the good functional filler for high voltage insulation rubber, plastic, wire and cable.

5. T-6 Washed Kaolin

This model is made from selected ore, and processed as edulcoration- whitening- drying- grinding- classifying. With characteristics of symmetrical particle size distribution and small particle size, it is widely used in adhesive, catalyzer, pesticide carrier, film dusting agent, fillers and rubber products.

| Technical | | Criteria | | | | | of | | Calcined | | Kaolin |
|--------------|-------|-------------------------|---------------------------------------|---------------------------------------|-------------------------|------------------|---------------------|-----------------|----------|--|--------|
| Product | Model | SiO ₂ (%) | AL ₂ O ₃ (%) | Fe ₂ O ₃ (%) | TiO ₂ (%) | Whitiness (%) | fineness (D50um) | Moisture (%) | PH Value | | |
| Master Batch | T-1-1 | 48-54 | 41-45 | ≤0.5 | ≤0.6 | ≥93 | ≤2 | ≤0.5 | 6-7 | | |
| Paint | T-2-1 | 48-54 | 41-45 | ≤0.5 | ≤0.6 | ≥93 | ≤2 | ≤0.5 | 6-8 | | |
| Paint | T-2-2 | 48-54 | 41-45 | ≤0.5 | ≤0.6 | ≥92 | ≤3 | ≤0.5 | 6-8 | | |
| Insulated | T-3-1 | 48-54 | 37-42 | ≤0.5 | ≤0.6 | ≥85 | ≤3 | ≤0.5 | 6-8 | | |
| Rubber | T-3-2 | 48-54 | 41-45 | ≤0.5 | ≤0.6 | ≥85 | ≤3 | ≤0.5 | 6-8 | | |
| Washed | T-6 | 48-54 | 36-38 | ≤0.5 | ≤0.6 | ≥85 | ≤3 | ≤0.7 | 5-7 | | |

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