

# AnTec APS

## Ultrafine Calcined Kaolin

### Product Description

AnTec APS is a type of ultrafine calcined kaolin featuring high ISO brightness, ultrafine and evenly distributed particle size, low abrasion, medium oil absorption, excellent opacity, high viscosity but good flowability.

### Application information

AnTec APS is specially designed for use in thermal paper and high grade coated paper. Compared with other products, it can replace more TiO<sub>2</sub> and significantly reduce paper production cost. It can remarkably improve paper gloss, smoothness and opacity. It can also enhance ink receptivity and printability. With excellent dispersion and low abrasion value, it can be formulated at high solid content for high speed paper coating.

### Typical Properties

Physical Form	Highly Pulverized Powder
ISO Brightness (%)	91 ± 1
Screen Residue, 325 Mesh (%)	<0.005
Free Moisture @ 105 deg C (%) as produced	<0.5
pH (28% solids)	6.0-7.0
Specific Gravity (g/cm <sup>3</sup> )	2.53
Sedigraph Particle Size (%<2µm)	88 ± 2
Oil Absorption (g/100g )	75-80
Bulk Density (kg/m <sup>3</sup> )	350
Hegman	>4.5
Einlehner Abrasion Value (mg/100k rotaion)	<20

### Chemical Components (%)

SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	K <sub>2</sub> O	Na <sub>2</sub> O	CaO	MgO
52.0 ± 1	45.0 ± 1	≤0.50	≤0.80	≤0.10	≤0.20	≤0.50	≤0.20

Anpeak Specialty Minerals Co., Ltd. is ISO 9001 and ISO 14001 certified.

The above typical properties are for general information only and should not be used for specification purposes. Performance characteristics may vary depending on specific application. All products should be tested in customer's formulation prior to use.

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