

AnTec AP

Ultrafine Calcined Kaolin

Product Description

AnTec AP is an engineered and structured calcined kaolin featuring high performance. It has been dehydroxylated by controlled heat treatment for removal of crystalline-bound hydroxyl groups and to improve brightness. AnTec AP is highly pulverized for better dispersion and provides excellent opacity.

Application information

AnTec AP is designed as filler or coating material for decorative paper, coated paper and paperboard. It features high ISO brightness and low abrasion value. It can significantly improve brightness, gloss, smoothness, opacity, ink receptivity and printability of paper products. It can reduce chalking, blister and peeling off on paper surface. It can partially replace TiO₂, to reduce cost. Compared to other similar products, AnTec AP has exceptional high shear rheology at high solids, which assists in increasing coating solid content and reducing energy consumed during drying.

Typical Properties

Physical Form	Highly Pulverized Powder
ISO Brightness (%)	>94
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 ³)	2.63
Sedigraph Particle Size (%<2μm)	84±2
Oil Absorption (g/100g)	65-70
Bulk Density (kg/m ³)	420
Hegman	>4.5
Einlehner Abrasion Value (mg/100k rotaion)	<25

Chemical Components (%)

SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	TiO ₂	K ₂ O	Na ₂ 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.

Anpeak Specialty Minerals Co., Ltd.

Beiping Circular Economy Park, PingLu District, Shuozhou City, Shanxi Province, PR China 036800

Tel +86 349 6076206 Fax: +86 349 6076204 Email: victor.he@anpeak.com.cn helen.mao@anpeak.com.cn

http://www.anpeak.com.cn