

AnTec C-OP

Ultrafine Calcined Kaolin

Product Description

AnTec C-OP is an engineered and structured calcined kaolin that has been dehydroxylated by precisely-controlled heat treatment for removal of crystalline-bound hydroxyl groups to maximally keep reactivity. AnTec C-OP is highly pulverized for better dispersion and provides excellent opacity.

Application information

Due to its high reactivity AnTec C-OP features excellent opacity, medium oil absorption and excellent dispersion. It is highly recommended for use in high grade products.

In coatings application, it works well as an extender to maximally replace TiO₂ and provides excellent opacity and color extension while maintaining film integrity.

In E-coatings it demonstrates satisfactory effects due to its low salt content and high salt spray resistance properties.

Typical Properties	
Physical Form	Highly Pulverized Powder
ISO Brightness (%)	91±2
Screen Residue, 325 Mesh (%)	<0.003
Free Moisture @ 105 deg C (%) as produced	<0.5
pH (28% solids)	6.0-7.0
Specific Gravity (g/cm ³)	2.53
Sedigraph Particle Size (%<2µm)	88±2
Oil Absorption (g/100g)	65-75
Bulk Density (kg/m ³)	350
Hegman	>4.0

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.

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