

AnTec E-92

Ultrafine Calcined Kaolin

Product Description

AnTec E-92 is a grade featuring minimal 92% in both brightness and particle size. It has inherited former Engelhard R&D and manufacturing expertise and is suitable for electro-deposition coatings, printing inks, other gloss paints and applications where ultra-fine particle size is desired. It has been dehydrated by controlled heat treatment and been highly pulverized for excellent dispersion and extremely low residue.

Application information

Due to its special performance, AnTec E-92 is widely used in electro-deposition application to partially replace TiO₂ and reduce cost while helping to shape paint film porosity and hardness. When compounding with solvents, it can improve mechanical and aging properties, enhancing film formation, film integrity, gloss and impact strength. Because of its excellent dispersion and suspension properties, it can improve anti-sedimentation property of paints. It has low content of impurities and has high chemical inertness, low conductivity and low residue, which can contribute to salt spray resistance of E-coatings and has the least negative impact to electro-deposition paints process. The above mentioned features also makes AnTec E-92 a suitable product in applications like printing inks where ultra-fine particle size is desired.

Typical Properties	
Physical Form	Highly Pulverized Powder
ISO Brightness (%)	92±2
Screen Residue, 325 Mesh (%)	<0.002
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)	92±2
Oil absorption (g/100g)	55-65
Bulk Density (kg/m ³)	350
Hegman	>5.0
Electric Conductivity (µs/cm)	<35

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