

AnTec WE

Specialty Insulation Agent for Wire/Cable

Product Description

AnTec WE is an engineered and structured high reactivity metakaolin developed by former Engelhard USA for use in rubber, plastic and PVC as well as wires and cables. It features high reactivity, fine particle size, low residue, medium pH level, low impurity, and excellent electrical insulation properties.

Application Information

AnTec WE is recommended as filler and reinforcing agent for rubber, plastics, wires & cables. Its high reactivity ions can take part in cross-linking reaction between polymers and improve mechanical properties like impact resistance, tensile strength, enhance wear resistance and chemical stability, prolong aging time. Due to its ultra-fine particle size and excellent dispersion, AnTec WE has higher dosage against ordinary calcined kaolin and can replace fumed silica to reduce cost. Its special crystal platy structure imparts excellent volume resistivity and prevents free ions from entering cable coverings and degradation of cable coverings, reducing permeability, improving water resistance, fire retardancy, insulation property and di-electrical stability of wires and cables while imparting excellent and long lasting wet insulation property to wires and cables.

Typical Properties

Physical Form	Highly Pulverized Powder
Special process	Dehydroxylation by precisely-controlled heat
GE Brightness (%)	>93
ISO Brightness (%)	>91
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
Median Size(μm)	0.6
Hegman	>4.0
Volume resistivity(Ω.m)	8×10^{12}

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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