

AnTec AT66

Calcined Surface-modified Aluminum Silicate

Product Description

AnTec AT66 is a fine particle-size calcined grade featuring high brightness. It has been dehydroxylated by controlled heat treatment for removal of crystalline-bound hydroxyl groups and to improve brightness. AnTec AT66 is highly pulverized for better dispersion and is surface treated with an amino functional additive.

Application Information

AnTec AT66 is a high-performance reinforcing extender designed to be compatible in polyamides, polyesters, epoxies, phenolics and other polar polymers. AnTec AT66 reduces water absorption, increases tensile and flexural strength, increases heat deformation temperature and improves dimensional stability when compounded in polymeric systems. It has low residue and fine particle size for improved impact strength in engineered polymers.

Typical applications: Polyamides (6, 66 and blends), TPE / TPO, epoxy and polyurethane coatings.

Typical Properties	
Physical Form	Highly Pulverized Powder
GE Brightness (%)	97.0 Min
ISO Brightness (%)	95.0 Min
Screen Residue, 325 Mesh (%)	0.005* Max
Free Moisture @ 105 deg C (%) as produced	0.5 Max
pH (28% solids)	6.0-7.0
Specific Gravity (g/cm ³)	2.63
Median Size(μm)	1.0*
Bulk Density (kg/m ³)	450
Oil Absorption, Rubout (ASTM D-281)	62

Chemical Component (%)

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

* Values are based on untreated product.

Anpeak Specialty Minerals Co.,Ltd is ISO-9001:2008 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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