CLAYTONE APA

Rheological Additive

Product Data

Special Features and Benefits

CLAYTONE APA is a modified montmorillonite designed to be used in aromatic and polar systems. CLAYTONE APA will function very efficiently in hard to adjust, high polarity systems without the need for energy intensive medial mills. CLAYTONE APA functions as a thixotropic rheology modifier generating properties such as flow control and anti-setting. CLAYTONE APA provides reliable and reproducible rheological properties in solvent based paints, stains, enamels, and primers as well as other applications. CLAYTONE APA does not require the use of a polar activator to achieve full efficiency.

Typical Properties

The values indicated in this data sheet describe typical properties and do not constitute specification limits.

Color:	Very light cream
Form:	Free flowing, finely divided powder
Moisture:	< 2.0 %
Loss on Ignition (1000 °C/1800 °F):	36.0-40.0
Specific Gravity (Density):	Metric 1.7 g/cm^3., English 14.2 lbs./gal.
Bulk Density:	Metric 540-640 g/l, English 34-40 lbs/ft.^{3}
Dry Sieve Size:	Metric 95 % <32µm, English 95 % <450 mesh

Recommended Use

· Solvent based paints and stains
· Adhesives
· Caulks and Sealants
· Inks

Incorporation

CLAYTONE APA does not require heat for dispersion. It may be incorporated in the grind phase and subjected to high shear. Alternatively, in many formulations CLAYTONE APA can be post added under high shear.

Recommended Levels

Use levels of CLAYTONE APA are typically 0.2 % to 2.0 % of the weight of the system.

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

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