CLAYTONE HY

Rheological Additive

Product Data

Special Features and Benefits
CLAYTONE HY is a modified montmorillonite designed to be used in aliphatic, aromatic and polar systems that exhibit almost any polarity. CLAYTONE HY can be used to replace multiple grades of other organoclays and may function as a universal organoclay. CLAYTONE HY functions as a thixotropic rheology modifier generating properties such as flow control, anti-misting and anti-setting. CLAYTONE HY provides reliable and reproducible rheological properties in solvent based paints, stains, enamels, primers, and inks as well as other applications. CLAYTONE HY 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):	41.5-44.5
Specific Gravity (Density):	Metric 1.6 g/cm^3., English 13.3 lbs./gal.
Bulk Density:	Metric 240 - 340 g/l, English 15 - 21 lbs/ft.^{3}
Dry Sieve Size:	Metric 98 % <32µm, English 98 % <450 mesh

Recommended Use
· Oil based paints and stains
· Adhesives
· Caulks and sealants
· Cosmetics and personal care
· Inks

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

Recommended Levels
Use levels of CLAYTONE HY 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.

Storage and Transportation
Typically CLAYTONE HY can be stored under dry conditions between temperatures of 0 °C and 30 °C (32 °F to 85 °F) for up to two years.

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Data Sheet
Issue 10/2013

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