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Claytone® HY

Rheological Additive for Inks

General Description:

Claytone HY is a modified montmorillonite designed for use in low to medium polarity printing inks. Claytone HY demonstrates high gelling efficiency, increases the viscosity and yield value, prevents pigment agglomeration, and settling, reduces misting and allows the ink manufacturer to control tack viscosity.

Claytone HY has proven to be a reliable and reproducible rheological additive for use in a variety of inks which include: Heat Set Web Offset, Sheetfed Offset, Letterpress, News, Rubber Based and Ultraviolet Curable.

Typical Physical Properties:

Color: Very Light Cream
Form: Finely Divided Powder
Specific Gravity: 1.6
Loose Bulk Density, lbs/ft³: 18
Dry Sieve Size (%-450 M): 98%
Moisture Content: 2.0%
Weight Loss @ 1000°C: 43%

The above typical values are not intended as product specifications.

Applications:

- Lithographic inks
- Letterpress inks

Incorporation:

Claytone HY easily disperses under low shear. Heat or the use of a polar activator is not required in order to obtain good dispersion. Claytone HY does not require pregelling and can be added directly with other ink ingredients into the ink batch prior to dispersion.

Use levels for Claytone HY depend upon the ink system involved and the degree of viscosity development and tack required.

For additional information or technical assistance contact Southern Clay Products, Inc. toll free at 800-324-2891.

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