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## **CLAYTONE® 34**

### **Rheological Additive**

#### **General Description:**

**Claytone® 34** is a modified montmorillonite designed for use in aliphatic systems containing aromatic solvent or aromatic-aliphatic solvent blends which display moderate polarity.

**Claytone® 34** demonstrates high gelling efficiency, reproducible viscosity and thixotropic development, a high degree of sag control and prevents hard settling of pigments and fillers.

**Claytone® 34** has proven to be a reliable and reproducible rheological additive for use in oil based paints, stains, alkyd enamels and primers, and epoxy systems.

#### **Typical Properties:**

Color: Very Light Cream

Form: Finely Divided Powder

Specific Gravity: 1.7

Weight/Gallon: 14.2 lbs/ US gallon

Bulk Density, lbs/ft<sup>3</sup>: 35

Dry Sieve Size (%-200 M): 95%

Moisture Content: 2.0%

Weight Loss @ 1000°C: 38.0%

The above typical values are not intended as product specifications.

#### **Applications:**

- Oil based paint & stains
- Lubricating greases
- Inks
- Adhesives
- Caulks and sealants
- Cosmetics and personal care

## **Incorporation:**

**Claytone® 34** does not require heat for dispersion and should be incorporated during the grind phase. Optimum gelling efficiency is usually obtained with high shear equipment. The gelling efficiency of Claytone® 34 in a given system can be increased by the addition of a polar activator such as propylene carbonate, methanol/water (95/5), ethanol/water (95/5), or acetone. The optimum amount of polar activator may vary from 20% to 60% by weight of Claytone® 34 depending on the system. Use levels of Claytone® 34 are generally 0.2-2.0% by weight of the system.

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

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