



Southern Clay Products, Inc.
1212 Church Street
Gonzales, TX 78629
Phone: 800-324-2891
Fax: 830-672-1903
www.scprod.com

CLAYTONE® 409

Rheological Additive

General Description:

Claytone 409 is a modified Montmorillonite designed for use in systems containing aliphatic solvents and aliphatic-aromatic solvent blends that display low to medium polarity.

Claytone 409 generates reproducible viscosity and thixotropic development, a high degree of sag control and prevents particle/pigment settling. Claytone 409 is self-dispersing and does not require a polar activator. Claytone 409 eliminates the need for high shear or pregels.

Claytone 409 has proven to be a reliable and reproducible rheological additive for use in frac fluid for suspension of guar and other particles. Claytone 409 has been designed to be approximately the same particle size as most guar products, thus promoting a stable homogeneous dry mixture. Other applications include trade sale paints, varnishes, wood stains, traffic paints, light industrial finishes, industrial maintenance and marine coatings. Claytone 409 is not recommended for use in lubricating greases.

Typical Physical Properties:

Color: Light Cream

Form: Divided Powder

Dry Particle Size: 60 mesh: 97% passing

200 mesh: minimum passing 60%, maximum 80%

Moisture Content: 2.0%

Weight Loss @ 1000°C: 46.5%

Specific Gravity, 25°C: 1.5

Weight per US Gallon: 12.5

Bulk Density, lbs/ft³: 26

Applications:

- Frac Fluids
- Inks
- Trade Sale Paints
- Caulks and Sealants

Incorporation:

Claytone 409 is an effective replacement for conventional organoclays requiring polar activators. High speed dispersers or equipment with similar shear are recommended during the incorporation phase. Use levels of Claytone 409 are generally 0.2-2.0% by weight of the systems.

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

Disclaimer of Warranty: The information presented herein is believed to be accurate but is not to be taken as a warranty, guarantee, or representation for which we assume legal responsibility. This information does not grant permission, license, or any rights or recommendations to practice any form of proprietary intellectual property without obtaining the appropriate license or grant from the property owner. The information is offered solely for your consideration, investigation and verification, but you must determine the suitability of the product for your specific application. The purchaser assumes all risk of use of handling the material, including but not limited to transferring the material within purchaser's facilities, using the material in applications specified by the purchaser and handling any product which includes the material, whether or not in accordance with any statements made herein.