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KaMin™ 100C

Ultra Low Moisture Calcined Kaolin Clay

PRODUCT DESCRIPTION

Application – KaMin 100C is a unique, ultra low moisture, high brightness, medium particle size, calcined clay. It has moderate oil absorption. Due to an enhanced manufacturing process, the moisture content of KaMin 100C is kept below 0.1500 % moisture in unopened packaging.

KaMin 100C incorporates readily into both solvent and solvent-free systems, where it imparts reinforcement, TiO₂ extension and brightness. Calcined clay has few hydroxyl groups and gives a Newtonian viscosity behavior. Typical applications are one-part moisture curing systems, two-part polyurethane adhesives and sealants, moisture-curing silane terminated polymer systems, and moisture sensitive applications in special plastic compounds, Wire & Cable and other Rubber Goods.

Physical Form - Milled fine powder

Morphology - Porous Aggregates

Generic Type - Anhydrous aluminum silicate

CAS No.: 66402-68-4

TYPICAL CHEMICAL ANALYSIS

| | |
|--|-----------|
| Moisture (Karl Fischer Titration Method) | 1500 ppm* |
| Loss on ignition 950°C, % | < .5% |
| pH..... | 5.5 |

TYPICAL PHYSICAL PROPERTIES

| | |
|--|--------------|
| Average Particle Size in microns by Malvern Laser | 3.2 |
| Stokes Particle Size, microns (Sedigraph) | 1.4 |
| Retain on 45 micron sieve, (or 325 mesh sieve) (percent) | 0.0100 |
| Surface Area BET (m ² /gm) | 8 |
| Specific Gravity (gm/cm ³)..... | 2.63 |
| Bulking Value: lb./gal ; gal./lb. | 21.9 ; 0.046 |
| Brightness, % Reflectance (TAPPI)..... | 90.5 |
| Oil Absorption, raw linseed oil ml/100gm..... | 54 |
| Crystalline Silica (quartz), % | < 0.10 |
| Shipping Point | Macon, GA |

*Karl Fischer Titrator, Mettler Toledo DL39

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