

ITOTONE 884

ORGANOCLAY RHEOLOGICAL ADDITIVE FOR SOLVENT BASED SYSTEM



PROPERTIES

- **Appearance** : Light White, Free-flowing Powder
- **Moisture Content (@105°C, 2 hrs)** : < 3.5%
- **Granularity (<76µm or 200mesh)** : > 98%
- **Viscosity (5.5% resin gel, 25°C)** : > 1000m Pa•S
- **Fineness dispersion (no mill)** : < 60 µm
- **Loss on Ignition (@800-900°C)** : < 40%
- **Heavy Metal (Pb)** : <15 ppm
- **Heavy Metal (Cd)** : <15 ppm
- **Heavy Metal (Cr)** : <15 ppm
- **Heavy Metal (Hg)** : <15 ppb
- **Arsenic (As)** : < 5mg/kg

APPLICATION

- **Solvent Polarity range** : Low to middle-high polarity. Gasoline oil, benzene, ester, ketone, ether, alcohol mixed solvent.
- **Dispersion Conditions** : High speed dispersion but no polar activation
- **Addition method** : Dry powder
- **Organoclay addition** : 10% ITOTONE 884
- **Solvent addition** : 90% Xylene or Toluol recommended
- **Activator addition** : None

CHARACTERISTICS

1. Self-activated organoclay can be added in any step, no need for polar activator and use pre-gel addition. But adding polar activator or grind, the effect will be better.
2. Easy to disperse, applicable to low and middle polar solvent systems.
3. Used in high-grade paints, printing inks, sealants, etc.
4. Similar to Bentone SD-1 and Claytone HY

DISCLAIMER

The information herein offered is based on the best of our knowledge at present. However, we are not able to guarantee these matters, as the result of application may vary according to conditions adopted. Preliminary tests are, therefore, recommended in all cases. Please refer to MSDS regarding handling of the products.

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APPENDIX

Dry powder addition

When a resin has good wetting capacity a special can be used as lamellar structure polymer is separated. The gel structure depends on the surface solvent wetting and shear conditions. Addition as a dry powder is possible directly before the mill process. This type of addition is known as dry powder addition. This method is not recommended for direct post addition to adjust the final viscosity or if a resin does not have good wetting capacity.

A. For good wetting capacity resin and grind material systems

1. Charge resin and solvents and mix
2. ITOTONE organoclay powder and mix for 10 minutes
3. Polar activator and mix for 10 minutes
4. Surfactant
5. Pigment (colour disperse)
6. Dilute

B. For poor wetting resin, addition process is as follows:

1. Solvents
2. ITOTONE organoclay powder, mix for 10 minute
3. Polar activator mix for 5-10 minute
4. Resin (mix)
5. Surfactant
6. Pigment (disperse)
7. Dilute.

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