ITOTONE 886D

ORGANOCLAY RHEOLOGICAL ADDITIVE FOR SOLVENT BASED SYSTEM

PROPERTIES

- **Appearance :** White, Free-flowing Powder
- **Moisture Content (@105°C, 2 hrs) :** < 3.5%
- **Granularity (<76µm or 200mesh) :** > 98%
- **Viscosity (5.5% resin gel, 25°C) :** > 1200 mPa•S
- **Fineness Dispersion (no mill) :** < 65µm
- **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. Benzene, ester, ketone, ether mixed solvent
- **Dispersion Conditions :** High speed dispersion but no polar activation
- **Addition method :** Dry powder
- **Organoclay addition :** 10% ITOTONE 886D
- **Solvent addition :** 90% Xylene or Toluol recommended

CHARACTERISTICS

1. Super easily to disperse, light coloured gel, high transparency, no need of polar activator, and pre-gel addition.
2. Applicable to low and middle polar solvent systems.
3. Used in superior paints, printing inks, cosmetics, sealants, nanometer organic composite materials, substitute for silicon oxide gas (SiO2), etc.
4. Similar to Bentone SD-2 and Claytone APA

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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IMAGINATION INK™

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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 a s 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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