

RARCLAY 6

GENERAL INFORMATION

RARCLAY 6 is an organo clay (modified montmorillonite), designed especially for use in solvent based system including intermediate and low polarity range organic liquid.

ADVANTAGES

- 1 Exerts gelling efficiency over a wide range of intermediate and low polarity.
- 2 Easy dispersing.
- 3 The gel is colorless and of high clarity.
- 4 Produce reproducible thixotropic consistency over a wide temperature range
- 5 Imparts particle suspension, sag resistance without impairing flow and leveling, preventing hard settling of pigment and fillers.
- 6 Exerts strong film reinforcing action in organic binder systems.

TYPICAL PROPERTIES

Composition	Organic derivative of a montmorillonite clay
Appearance	Fine white powder
Moisture content(105°C,2hr)	3.5%
Loss on ignition, %(1000°C)	32.2%
Bulk density	0.53g/cm ³
Fineness (200 mesh)	98%

APPLICATION

- 1 Transparent coatings
- 2 Lubricant Grease, ink, sealant.
- 3 Cosmetic.
- 4 Nano-composite.
- 5 Replacement of fumed silica.

USAGE

RARCLAY 6 disperses under high shear and requires a polar activator (30%~40%) for best efficiency. Heat is not required to obtain good dispersion. Addition levels are typically in 0.2%~2.0%. Polar activator (95% Ethanol or 95% Methanol) is needed. Normally addition level of polar activator is recommended to be 30%~40% of RARCLAY 6 in weight.