

SMECTITE

Meaning: Smectite is a type of clay mineral known for its ability to swell and absorb water, making it useful in applications such as drilling mud and cosmetics.

1. Smectite is often used in the production of drilling mud due to its excellent viscosity properties.
2. The unique properties of smectite make it valuable in various industrial applications, including cosmetics.
3. Researchers have discovered that smectite can enhance soil fertility by improving nutrient retention.
4. The swelling behavior of smectite clays can significantly affect the stability of underground structures.
5. In environmental studies, smectite is examined for its ability to absorb pollutants from water sources.

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