

## Fluidity and dispersing agent

### KT-8E

Composition: mixture of high molecular weight fatty acids and their esters, inorganic carriers.

Appearance: light-yellow granule

Packaging: double-layer packaging consisting of plastic bag and compound woven paper bag

Net weight: 25kg/bag

Safety performance: non-toxic and harmless

Storage period: Two years in ventilated, dry warehouses containing no corrosive matters

pH value: 5.0-9.0

Heating loss (55℃): ≤2.0%

Inorganic content (950℃): ≤14.5%

Scope of application:

Applicable for natural rubber, synthetic rubber, and reclaimed rubber.

Characteristic performance:

1. It can prevent rubber compound from sticking to the roller and reduce the risk of early scorching, especially in the case of rubber compound added with highly wear resistance extenders. In addition, it can effectively improve the fluidity of rubber compound, reduce the Mooney viscosity of rubber compound, improve the compactness and brightness of extruded and calendered products, reduce the defects of finished product, and improve the appearance quality and acceptance rate of products.
2. It can effectively improve the mixing effect of rubber compound, effectively accelerate the dispersion of carbon black and other extenders in rubber compound, further shorten the mixing time, increase the extrusion and calendering rate, and reduce the energy consumption.
3. It does not affect the peroxide bridge system and is well compatible with various types of rubbers. As long as the carbon black dispersant is added in the recommended amount, it has no adverse effect on the physical properties of the product and can be widely used in ingredients of various types of rubber.
4. It has good plasticizing properties such that quick mold filling at a lower pressure is possible during transfer and injection molding. Moreover, it offers good mold release properties.

Instructions:

KT-8E can be added together with other chemical compounding agents during the mixing process. Adding it at early stage can obtain more desirable effect.

**Recommended dosage:**

1. Add the Fluidity and dispersing agent in 1-4% of the amount of crude rubber.
2. Properly increase the amount of the Fluidity and dispersing agent for polar rubber.