

Carbon black dispersing agent

KT-8A

Composition: blend of metallic soap salts and mineral oil, etc.

Appearance: gray, black granule

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

Net weight: 25kg/bag

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

PH value: 3.0-6.0

Heating loss (55°C): ≤2.5%

Inorganic content (950°C): ≤35.0%

Scope of application:

Applicable for natural rubber and synthetic rubber, and suitable for sulfur curing system.

Characteristic performance:

1. It can effectively improve the affinity between the ingredients of the raw materials, presenting its good dispersion effect. This can greatly improve the fluidity of the mixed rubber, and can mix the rubber compound evenly. The surface of the rubber compound is smooth and free of air pores, contributing to its improved compactness.
2. It has the function of physical plasticizer, developing the lubricity between macromolecules thereby reducing the shear force required for mixing. As a result, the mixing efficiency is greatly improved and the mixing cycle is effectively shortened. This can lead to reduced mixing time and power consumption as well as reduced production costs.
3. It can significantly improve the quality stability between batches of rubber compound and can increase the yield of products to achieve the purpose of reducing comprehensive costs.
4. It can effectively reduce Mooney viscosity and improve the calendaring and extruding performance. As long as the Carbon black dispersing agent is added in the recommended amount, it has no obvious effect on the physical and mechanical properties and ageing properties of the products such as Mooney scorch, curing rate, hardness, and tensile strength.

5. The use of KT-8A does not require special adjustment of the formula. The proper amount of KT-8A will help improve the bonding between rubber compounds and effectively prevent the blooming phenomenon.

6. KT-8A can be widely used for tires, tapes, hoses, extruded and ejected rubber products, foamed rubber products and molded rubber products. Therefore, it has a wide range of applications.

Instructions:

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

Recommended dosage:

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