



Rubber Tear Resistance Agent K-203

Compositions:

K-203 agent consists of Nano-short fiber, Nano-gas phase silicon oxide, boron complex and surfactant. The agent is a kind of new multi-functional material which produced by in-situ composite, weak bond suspended, active coated, diameter expanding of particle and step reaction technologies.

Properties:

It is non-toxic, harmless to human and no environmental pollution.

Item	Specification	Test Method
Appearance	light grey powder	visual inspection
Heating loss (105°C X 2h), %	≤2.0	HG/T3065
Ignition loss (800°C X 2h), %	≤20.0	HG/T3066
pH Value	8.0~10.5	HG/T3067

Advantages:

1. K-203 new material can significantly improve tear resistance of tires and reduce customers' complaints.
2. K-203 can reduce the porosity, improve the compactness of rubber and stabilize the dimension. So, it can improve the compactness and abrasion resistance of final products.
3. K-203 has excellent technologies. The new material has interfacial activity component, which can reduce the interfacial energy among all materials in formula. This will stabilize the dimension of rubber sheet and tires, and products surface will be smoother.

Usage and Dosage:

- 1) Add K-203 agent together with Zinc Oxide when mixing rubber master-batch.
- 2) 3~5 units of total tire compound can be used for tire tread, rubber core, and other formula is same as before or make slightly adjustment.

Packing and Storage:

It is packed in Kraft paper bags lined with plastic film, net weight is 25kg/bag.

It should be stored in a cool, dry warehouse.

The shelf life is 24 months.