



## Rubber Anti-fatigue Agent LG-768

### Compositions:

LG-768 agent consists of Non-metallic complex, Carbohydrate, Three-dimensional fiber grafted polymer, Non-metallic oxide and interfacial adhesive agent. The agent is a long-acting adhesion functional new material which produced by special technology.

### Properties:

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

Item	Specification	Test Method
Appearance	taupe particles	visual inspection
Heating loss (105°CX2h) ,%	≤2.0	HG/T3065
Ignition loss (800°CX2h),%	≤25.0	HG/T3066
pH Value	6.5~9.5	HG/T3067

### Advantages:

1. It can improve the ageing-resistance and fatigue-resistance.  
The hindered phenol structure formed between phenolic hydroxyl group and methoxyl group on the molecule, which can capture and consume the free radical in rubber to terminate the chain reaction. Therefore, it can improve the ageing-resistance and fatigue-resistance of high polymer material such as rubber.
2. It can improve adhesive performance.
3. It 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 LG-768 agent together with Zinc Oxide when mixing rubber master-batch.
- 2) 3~8 units of total tire compound can be used for tire carcass, rubber sheet, rubber belt, and tire transition layer, 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 36 months.