



## Ice & snow Resistant Agent D-6080

### Application:

D-6080 agent can be used as additive agent in natural rubber and synthetic rubber for high performance tires such as steel snow tires, semi-steel snow tire.

### Compositions:

D-6080 agent consists of high polymer elastomer, special properties of carbon and interfacial agent with polar group. The D-6080 is a low-temperature resistance functional new material which produced by a special technology called Activated Grafting Polymerization.

### Properties:

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

Item	Specification	Test Method
Appearance	grey powder	visual inspection
Heating loss (105°CX2h) ,%	≤2.0	GB/T3780.7-2006
pH Value	6.0~9.0	GB/T3780.8-2008

### Advantages:

1. D-6080 agent contains various functional groups, which can reduce the hardenability of rubber products at low temperatures. It not only can improve the compatibility between rubber and filler, but also can improve the compatibility between itself and fillers in rubber. Applied the new material in tire, the hardness of tire tread will be lower at low temperatures, so that tires tread will contact with smooth ice surface more closer, then lead to greater friction between tires and road. This will improve the safety of cars on the smooth ice surface, and reduce the tire crack in winter.
2. D-6080 agent has excellent technologies. The new material can effectively capture and consume heating expansion of small molecules under pressure, so it can reduce the porosity, and avoid bubbles.
3. D-6080 agent 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 of semi-finished product.

### Usage and Dosage:

- 1) Add D-6080 agent together with Zinc Oxide when mixing rubber master-batch.
- 2) 5~7 units of total tire compound can be used for tire tread, or carbon black can be reduced to maintain the rubber content.

### 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.